

Anti-STING antibody [SP338] ab227704

重组 RabMAb

2 References 19 图像

概述	
产品名称	Anti-STING抗体[SP338]
描述	兔单克隆抗体[SP338] to STING
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), IHC-P, WB, ICC/IF
种属反应性	与反应: Rat, Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	IHC-P: Human lymph node, thymus, tonsil, colon, spleen, colon adenocarcinoma, lung, lung squamous cell carcinoma, lung adenocarcinoma and pancreatic adenocarcinoma tissues. WB: THP-1 cell lysate. Flow Cyt: THP-1 cells. ICC/IF: THP-1 cells.
常规说明	This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.
性能	
形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.60 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
纯度	Protein A/G purified
纯化说明	Purified from TCS by protein A/G.
克隆	单克隆
克隆编号	SP338
同种型	IgG
应用	

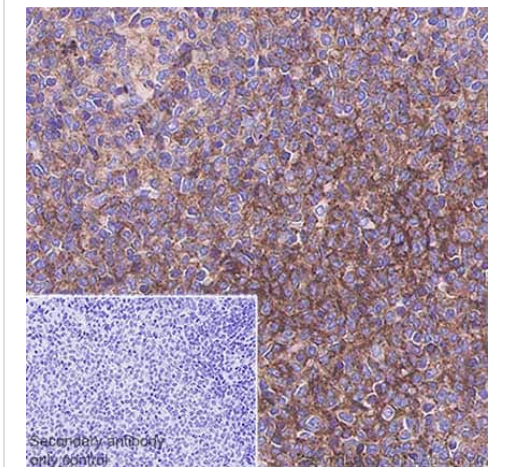
The Abpromise guarantee

Abpromise™承诺保证使用ab227704于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

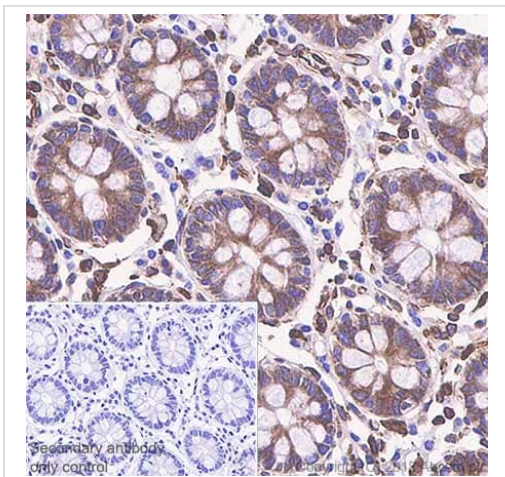
应用	Ab评论	说明
Flow Cyt (Intra)		1/20 - 1/400.
IHC-P		1/100. Perform heat mediated antigen retrieval with EDTA buffer pH 8.0 before commencing with IHC staining protocol.
WB		1/400. Predicted molecular weight: 42 kDa.
ICC/IF		1/50.

靶标	
功能	Facilitator of innate immune signaling that promotes the production of type I interferon (IFN-alpha and IFN-beta). Innate immune response is triggered in response to non-CpG double-stranded DNA from viruses and bacteria delivered to the cytoplasm. Able to activate both NF-kappa-B and IRF3 transcription pathways to induce expression of type I interferon and exert a potent anti-viral state following expression. May be involved in translocon function, the translocon possibly being able to influence the induction of type I interferons. May be involved in transduction of apoptotic signals via its association with the major histocompatibility complex class II (MHC-II). Mediates death signaling via activation of the extracellular signal-regulated kinase (ERK) pathway.
组织特异性	Ubiquitously expressed.
序列相似性	Belongs to the TMEM173 family.
翻译后修饰	Phosphorylated on tyrosine residues upon MHC-II aggregation (By similarity). Phosphorylated on Ser-358 by TBK1, leading to activation and production of IFN-beta. Ubiquitinated. 'Lys-63'-linked ubiquitination mediated by TRIM56 at Lys-150 promotes homodimerization and recruitment of the antiviral kinase TBK1 and subsequent production of IFN-beta. 'Lys-48'-linked polyubiquitination at Lys-150 occurring after viral infection is mediated by RNF5 and leads to proteasomal degradation.
细胞定位	Endoplasmic reticulum membrane. Mitochondrion outer membrane. Cell membrane. Cytoplasm > perinuclear region. In response to double-stranded DNA stimulation, relocalizes to perinuclear region, where the kinase TBK1 is recruited.
图片	



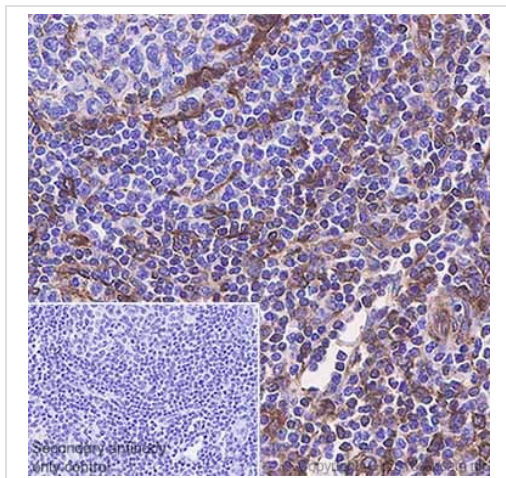
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STING antibody [SP338] (ab227704)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Rat spleen tissue sections labeling TMEM173 with ab227704 at 1/100 dilution (1.05 µg/ml). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 10mins. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Hematoxylin was used as a counterstain. Positive staining on the rat spleen, performed on a Leica Biosystems BOND™ RX instrument. The section was incubated with ab227704 for 10 mins at room temperature.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STING antibody [SP338] (ab227704)

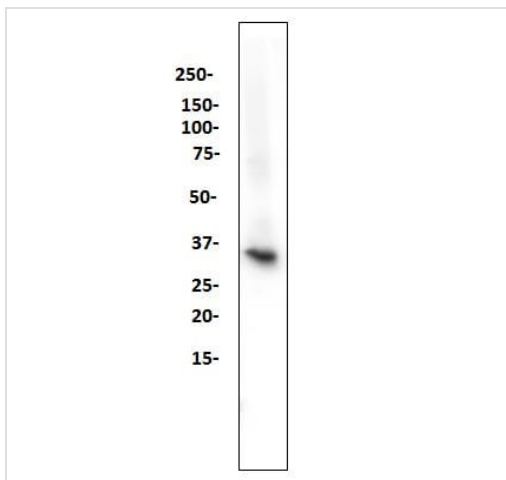
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human colon tissue sections labeling TMEM173 with ab227704 at 1/100 dilution (1.05 µg/ml). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 10mins. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Hematoxylin was used as a counterstain. Positive staining on the human colon, performed on a Leica Biosystems BOND™ RX instrument. The section was incubated with ab227704 for 10 mins at room temperature.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STING antibody [SP338] (ab227704)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human tonsil tissue sections labeling TMEM173 with ab227704 at 1:100 dilution (1.05 µg/ml). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 10mins. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Hematoxylin was used as a counterstain. Positive staining on the human tonsil, performed on a Leica Biosystems BOND™ RX instrument.

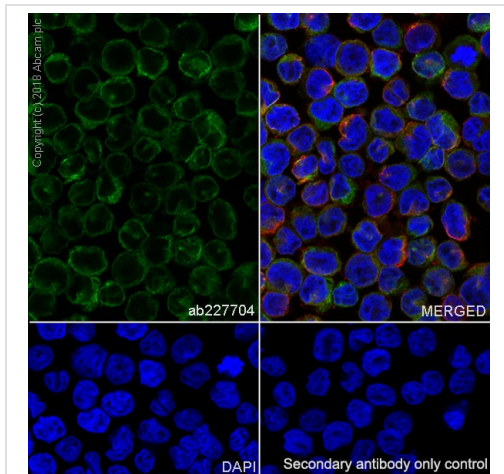
The section was incubated with ab227704 for 10 mins at room temperature.



Western blot - Anti-STING antibody [SP338] (ab227704)

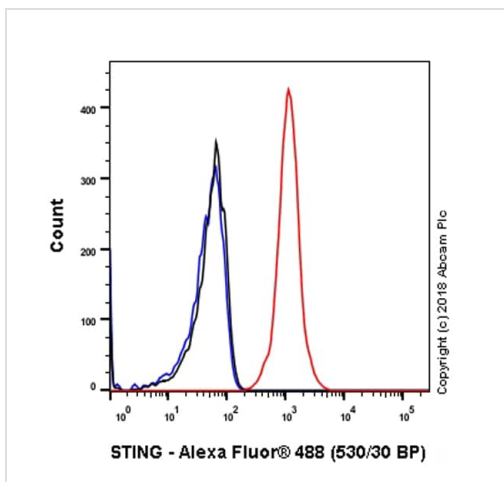
Anti-STING antibody [SP338] (ab227704) at 1/400 dilution + THP-1 (human monocytic leukemia cell line) cell lysate

Predicted band size: 42 kDa



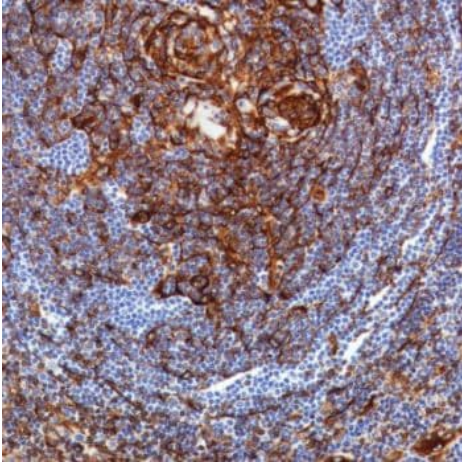
Immunocytochemistry/ Immunofluorescence - Anti-STING antibody [SP338] (ab227704)

Immunocytochemistry/ Immunofluorescence analysis of THP-1 (human monocytic leukemia monocyte) cells labeling TMEM173 with purified ab227704 at 1/50 (2.1 µg/ml). Cells were fixed in 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Cells were counterstained with **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/ml) dilution. DAPI was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



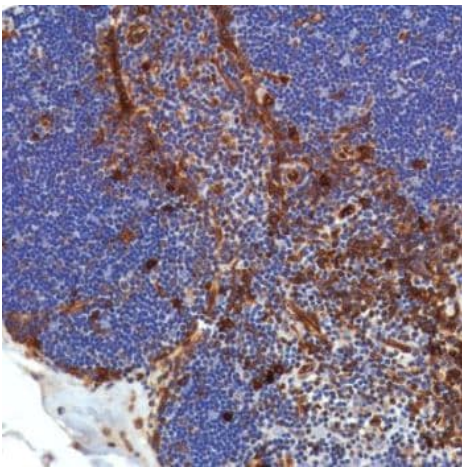
Flow Cytometry (Intracellular) - Anti-STING antibody [SP338] (ab227704)

Flow cytometry analysis of THP-1 (human monocytic leukemia monocyte) labeling TMEM173 with purified ab227704 at 1/20 dilution (5.25 µg/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. Goat anti rabbit IgG (Alexa Fluor® 488, **ab150081**) at 1/2000 dilution was used as a secondary antibody. Isotype control -Rabbit monoclonal IgG (**ab172730**) / Black. Unlabeled control -Unlabelled cells / blue.



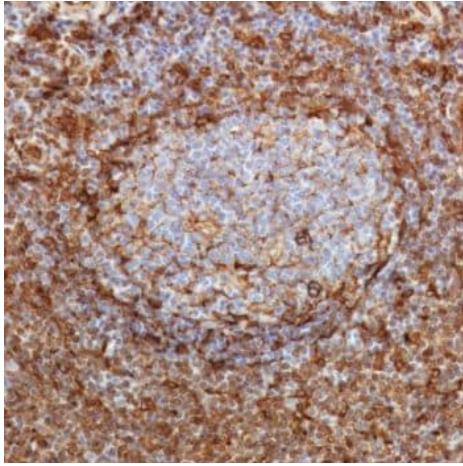
Formalin-fixed, paraffin-embedded human lymph node tissue stained for TMEM173 using ab227704 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STING antibody [SP338] (ab227704)



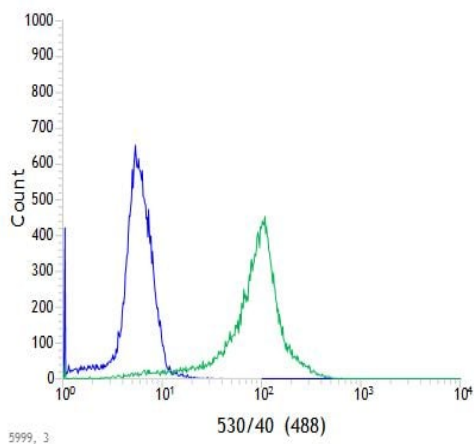
Formalin-fixed, paraffin-embedded human thymus tissue stained for TMEM173 using ab227704 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STING antibody [SP338] (ab227704)



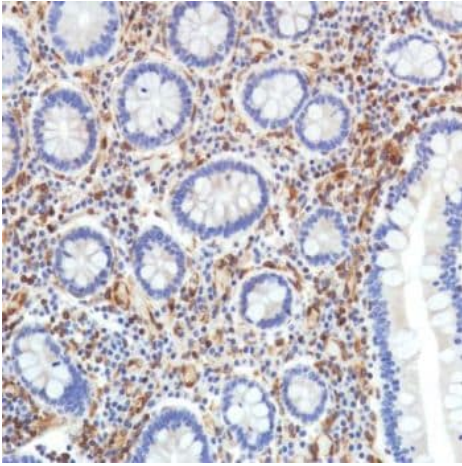
Formalin-fixed, paraffin-embedded human tonsil tissue stained for TMEM173 using ab227704 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STING antibody [SP338] (ab227704)



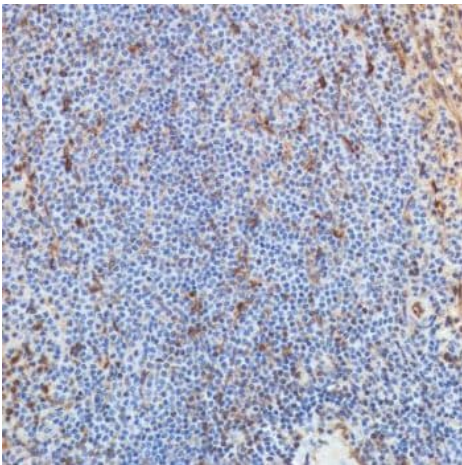
Flow cytometric analysis of THP-1 (human monocytic leukemia cell line) cell line labeling TMEM173 with ab227704 at 1/400 dilution (green) compared with a rabbit IgG negative control (blue).

Flow Cytometry (Intracellular) - Anti-STING antibody [SP338] (ab227704)



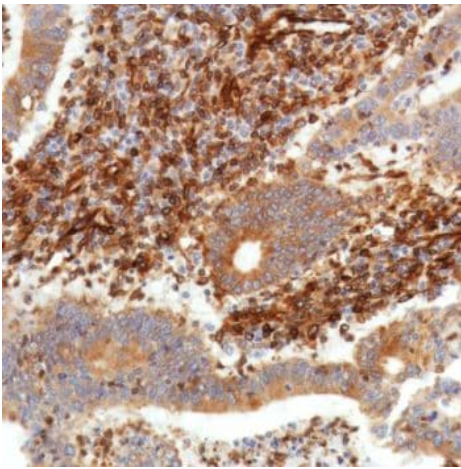
Formalin-fixed, paraffin-embedded human colon tissue stained for TMEM173 using ab227704 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STING antibody [SP338] (ab227704)



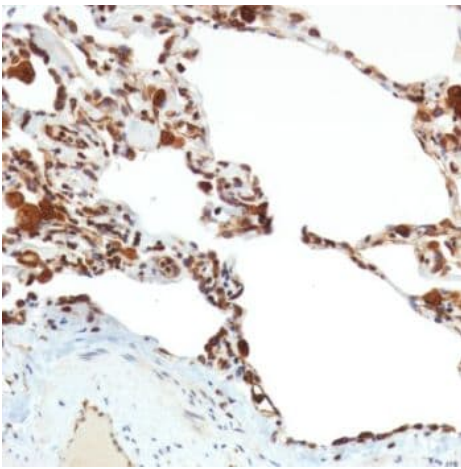
Formalin-fixed, paraffin-embedded human spleen tissue stained for TMEM173 using ab227704 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STING antibody [SP338] (ab227704)



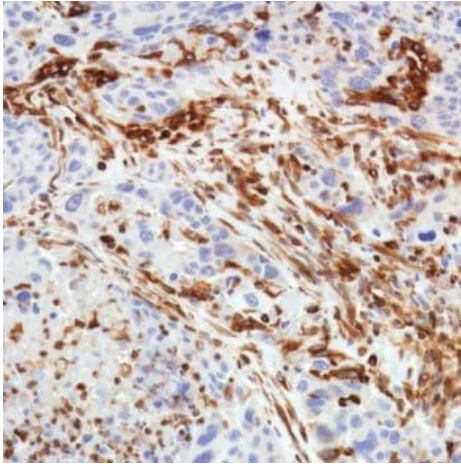
Formalin-fixed, paraffin-embedded human colon adenocarcinoma tissue stained for TMEM173 using ab227704 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STING antibody [SP338] (ab227704)



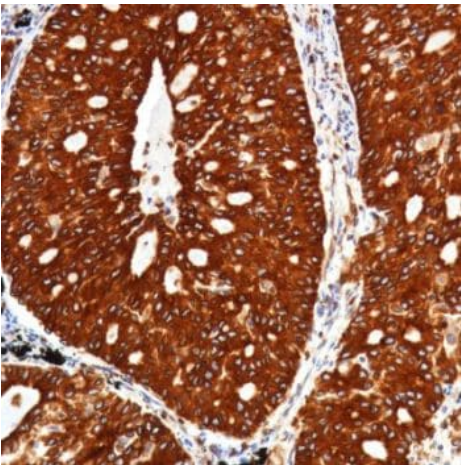
Formalin-fixed, paraffin-embedded human lung tissue stained for TMEM173 using ab227704 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STING antibody [SP338] (ab227704)



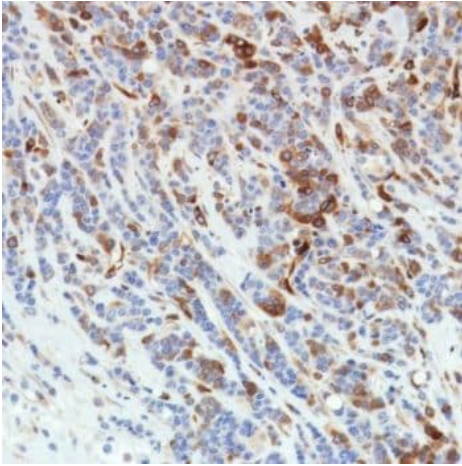
Formalin-fixed, paraffin-embedded human lung squamous cell carcinoma tissue stained for TMEM173 using ab227704 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STING antibody [SP338] (ab227704)



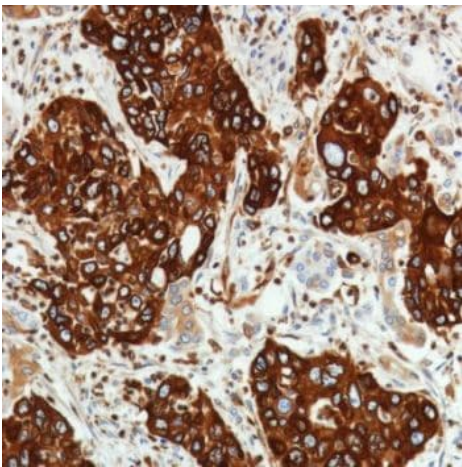
Formalin-fixed, paraffin-embedded human lung adenocarcinoma tissue stained for TMEM173 using ab227704 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STING antibody [SP338] (ab227704)



Formalin-fixed, paraffin-embedded human pancreatic adenocarcinoma tissue stained for TMEM173 using ab227704 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STING antibody [SP338] (ab227704)



Formalin-fixed, paraffin-embedded human pancreatic adenocarcinoma tissue stained for TMEM173 using ab227704 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STING antibody [SP338] (ab227704)

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Anti-STING antibody [SP338] (ab227704)

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