

Anti-TPN antibody [EPR25083-20] ab288565

重组 RabMAb

11 图像

概述

产品名称	Anti-TPN抗体[EPR25083-20]
描述	兔单克隆抗体[EPR25083-20] to TPN
宿主	Rabbit
特异性	This product is not suitable for IHC with samples from mouse.
经测试应用	适用于: WB, IHC-P, Flow Cyt (Intra), ICC/IF 不适用于: IP
种属反应性	与反应: Mouse, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Untreated HeLa, HeLa treated with IFN gamma for 16 hours, B16-F10 treated with IFN gamma for 16 hours, Mouse spleen, Human liver, RAW264.7, HeLa, A431 and Jurkat lysates. IHC-P: Human colon, Human lung, Human colon carcinoma and Human lung adenocarcinoma tissues. ICC: HeLa and Jurkat cells. Flow Cyt: Jurkat cells.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified

克隆单克隆

克隆编号EPR25083-20

同种型IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab288565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
WB		1/1000. Predicted molecular weight: 48 kDa.
IHC-P		1/500. This product is not suitable for IHC with samples from mouse.
Flow Cyt (Intra)		1/500.
ICC/IF		1/500.

应用说明

Is unsuitable for IP.

靶标

功能

Involved in the association of MHC class I with transporter associated with antigen processing (TAP) and in the assembly of MHC class I with peptide (peptide loading).

组织特异性

Neutrophils, mostly in fully differentiated cells.

序列相似性

Contains 1 Ig-like C1-type (immunoglobulin-like) domain.

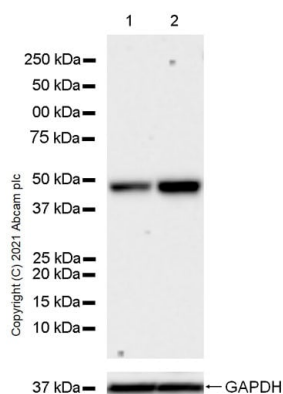
结构域

The N-terminus is required for efficient association with MHC class I molecule and for a stable interaction between MHC I and calreticulin. Binding to TAP is mediated by the C-terminus region.

细胞定位

Endoplasmic reticulum membrane.

图片



Western blot - Anti-TPN antibody [EPR25083-20] (ab288565)

All lanes : Anti-TPN antibody [EPR25083-20] (ab288565) at 1/1000 dilution

Lane 1 : Untreated HeLa (human epithelial cell line from cervix adenocarcinoma), whole cell lysate

Lane 2 : HeLa treated with 100 ng/ml IFN gamma for 16 hours, whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

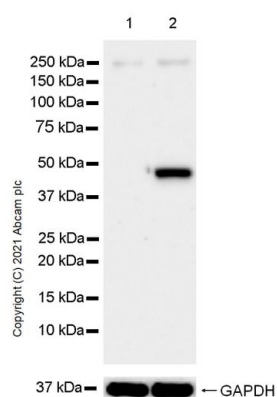
Predicted band size: 48 kDa

Observed band size: 48 kDa

Exposure time: 48 seconds

Blocking and diluting buffer and concentration: 5% NFDM/TBST

Upregulating the expression of TPN protein by IFN gamma treatment (PMID: 11169257)



Western blot - Anti-TPN antibody [EPR25083-20] (ab288565)

All lanes : Anti-TPN antibody [EPR25083-20] (ab288565) at 1/1000 dilution

Lane 1 : Untreated B16-F10 (Mouse skin melanoma), whole cell lysate

Lane 2 : B16-F10 treated with 100 ng/ml IFN gamma for 16 hours, whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

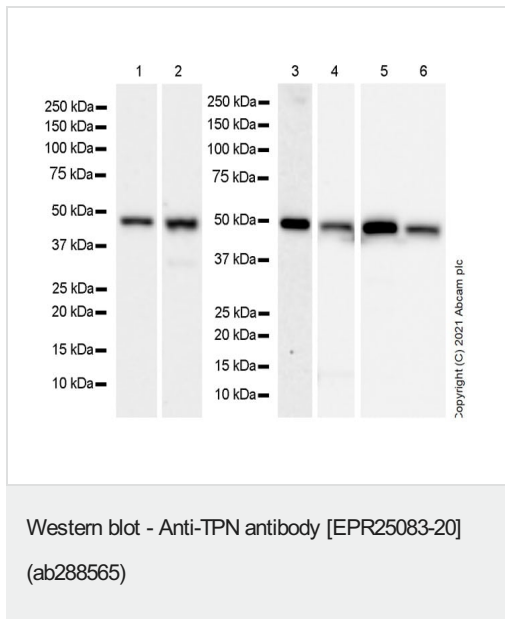
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Observed band size: 48 kDa

Exposure time: 48 seconds

Blocking and diluting buffer and concentration: 5% NFDM/TBST

Upregulating the expression of TPN protein by IFN gamma treatment (PMID: 11169257)



All lanes : Anti-TPN antibody [EPR25083-20] (ab288565) at 1/1000 dilution

Lane 1 : Mouse spleen tissue lysate

Lane 2 : Human liver tissue lysate

Lane 3 : RAW264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage), whole cell lysate

Lane 4 : HeLa (human epithelial cell line from cervix adenocarcinoma), whole cell lysate

Lane 5 : A431 (human epidermoid carcinoma epithelial cell), whole cell lysate

Lane 6 : Jurkat (human T cell leukemia T lymphocyte), whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

Predicted band size: 48 kDa

Observed band size: 48 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST

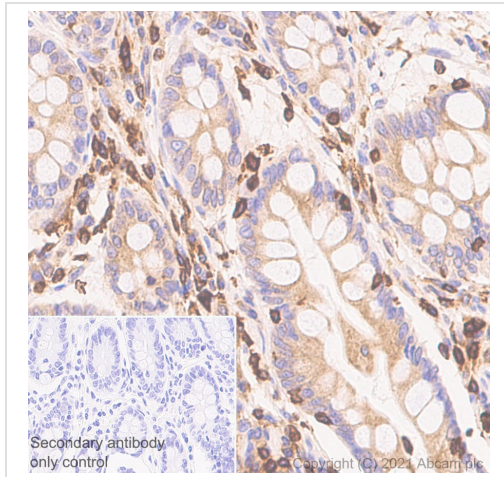
Exposure times:

Lanes 1 & 2: 48 seconds

Lane 3: 3 minutes

Lane 4: 26 seconds

Lanes 5 & 6: 15 seconds

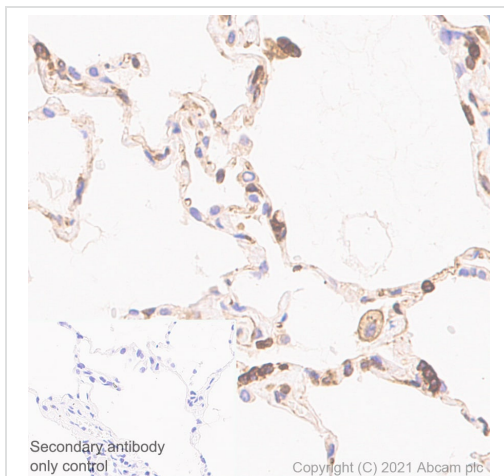


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TPN antibody [EPR25083-20] (ab288565)

Immunohistochemical analysis of paraffin-embedded Human colon tissue labelling TPN with ab288565 at 1/500 (1.002 ug/ml) followed by ready to use Leica DS9800 (BOND™, Polymer Refine Detection). Cytoplasmic staining on the stromal cells of human colon (PMID: 26310568). The section was incubated with ab288565 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Ready to use Leica DS9800 (BOND™, Polymer Refine Detection).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

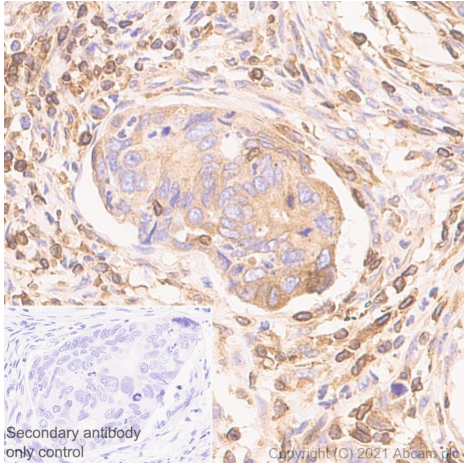


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TPN antibody [EPR25083-20] (ab288565)

Immunohistochemical analysis of paraffin-embedded Human lung tissue labelling TPN with ab288565 at 1/500 (1.002 ug/ml) followed by ready to use Leica DS9800 (BOND™, Polymer Refine Detection). Mainly cytoplasmic staining on the leukocytes of human lung. The section was incubated with ab288565 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Ready to use Leica DS9800 (BOND™, Polymer Refine Detection).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

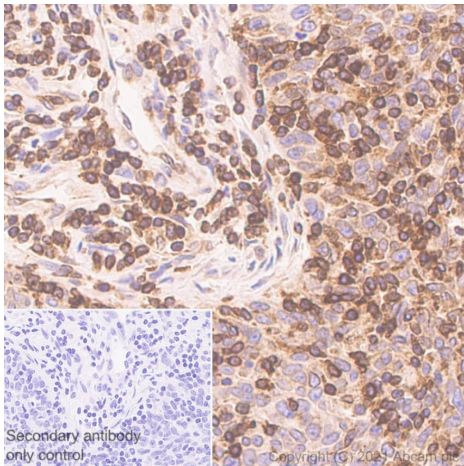


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TPN antibody [EPR25083-20] (ab288565)

Immunohistochemical analysis of paraffin-embedded Human colon carcinoma tissue labelling TPN with ab288565 at 1/500 (1.002 ug/ml) followed by ready to use Leica DS9800 (BOND™, Polymer Refine Detection). Cytoplasmic staining on the cancer cells and stromal cells of human colon carcinoma (PMID: 26310568). The section was incubated with ab288565 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: ready to use Leica DS9800 (BOND™, Polymer Refine Detection).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

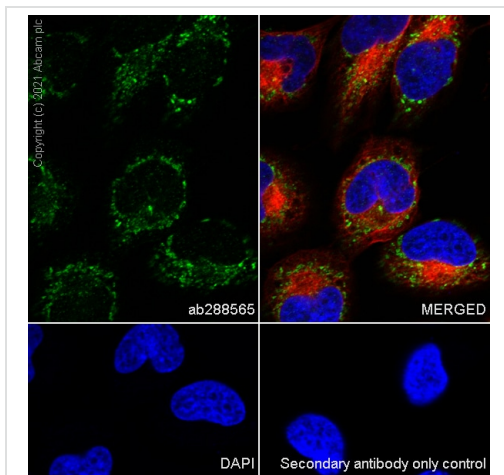


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TPN antibody [EPR25083-20] (ab288565)

Immunohistochemical analysis of paraffin-embedded Human lung adenocarcinoma tissue labelling TPN with ab288565 at 1/500 (1.002 ug/ml) followed by a ready to use Leica DS9800 (BOND™, Polymer Refine Detection) was used. Cytoplasmic staining on the cancer cells and stromal cells of human lung adenocarcinoma. The section was incubated with ab288565 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: ready to use Leica DS9800 (BOND™, Polymer Refine Detection).

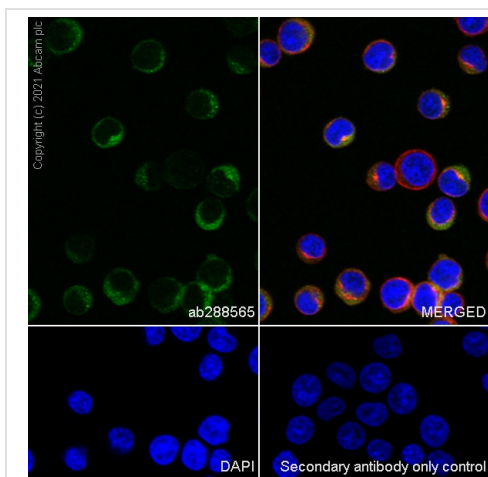
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins



Immunocytochemistry/ Immunofluorescence - Anti-TPN antibody [EPR25083-20] (ab288565)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized HeLa cells labelling TPN with ab288565 at 1/500 dilution, followed by **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 dilution (Green). Confocal image showing cytoplasmic staining in HeLa cell line is observed. **ab195889** Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 dilution (Red). The Nuclear counterstain was DAPI (Blue).

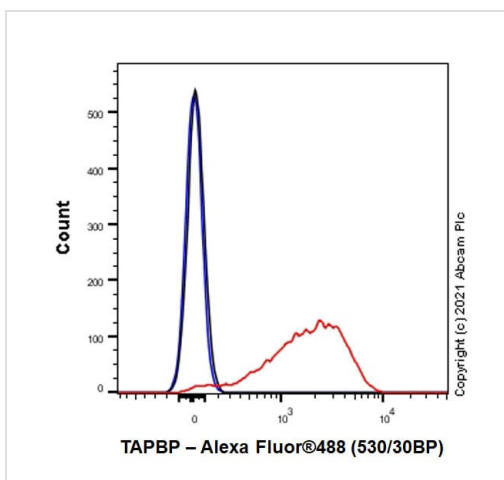
Secondary antibody only control: Secondary antibody is **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution.



Immunocytochemistry/ Immunofluorescence - Anti-TPN antibody [EPR25083-20] (ab288565)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized Jurkat cells labelling TPN with ab288565 at 1/500 dilution, followed by **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 dilution (Green). Confocal image showing cytoplasmic staining in Jurkat cell line is observed. **ab195889** Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 dilution (Red). The Nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488), preadsorbed, at 1/1000 dilution.



Flow Cytometry (Intracellular) - Anti-TPN antibody [EPR25083-20] (ab288565)

Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized Jurkat (Human T cell leukemia T lymphocyte) cells labelling TPN with ab288565 at 1/500 dilution (0.1ug) (Red) compared with a Rabbit monoclonal IgG (**ab172730**) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat Anti-Rabbit IgG (Alexa Fluor® 488, **ab150081**) at 1/2000 dilution was used as the secondary antibody.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-TPN antibody [EPR25083-20] (ab288565)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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