


Anti-PIAS1 antibody [EPR2580(2)] ab109388

重组 RabMAb

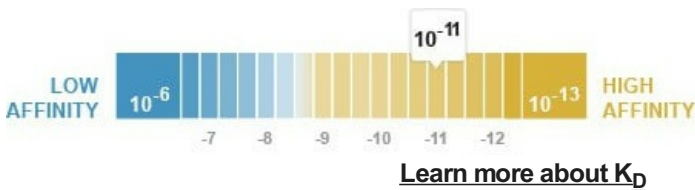
★★★★★ 3 Abreviews 16 References 6 图像

概述

产品名称	Anti-PIAS1抗体[EPR2580(2)]
描述	兔单克隆抗体[EPR2580(2)] to PIAS1
宿主	Rabbit
经测试应用	适用于: ICC/IF, WB, IHC-P 不适用于: IP
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Human colon tissue. HepG2, Jurkat, 293T, Daudi cell lysates. ICC/IF: HeLa 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. Stable for 12 months at -20°C.
解离常数 (K _D)	K _D = 2.10 x 10 ⁻¹¹ M



存储溶液	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR2580(2)
同种型	IgG

The Abpromise guarantee **Abpromise™**承诺保证使用ab109388于以下的经测试应用

应用	Ab评论	说明
ICC/IF	★★★★★ (1)	1/500.
WB	★★★★★ (2)	1/1000 - 1/10000. Predicted molecular weight: 72 kDa.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol. Heat up to 98 degrees C, below boiling, and then let cool for 10-20 min.

靶标

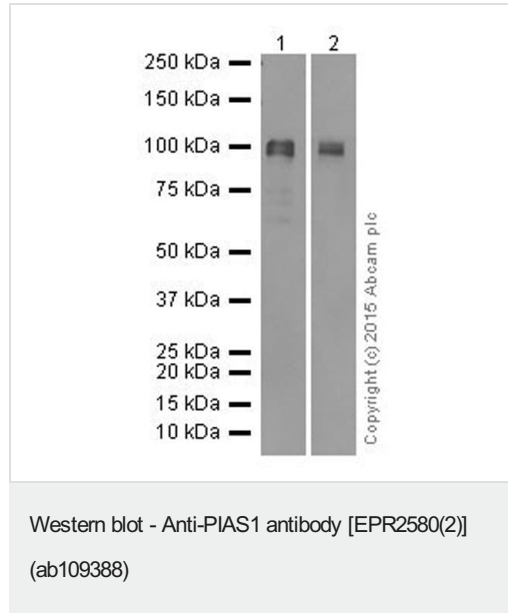
功能	Functions as an E3-type small ubiquitin-like modifier (SUMO) ligase, stabilizing the interaction between UBE2I and the substrate, and as a SUMO-tethering factor. Plays a crucial role as a transcriptional coregulation in various cellular pathways, including the STAT pathway, the p53 pathway and the steroid hormone signaling pathway. In vitro, binds A/T-rich DNA. The effects of this transcriptional coregulation, transactivation or silencing, may vary depending upon the biological context. Together with PRMT1, may repress STAT1 transcriptional activity, in the late phase of interferon gamma (IFN-gamma) signaling.
组织特异性	Expressed in numerous tissues with highest level in testis.
通路	Protein modification; protein sumoylation.
序列相似性	Belongs to the PIAS family. Contains 1 PINIT domain. Contains 1 SAP domain. Contains 1 SP-RING-type zinc finger.
结构域	The LXXLL motif is a transcriptional coregulator signature. The SP-RING-type domain is required for promoting EKLF sumoylation.
翻译后修饰	Sumoylated. Dimethylated by PRMT1 at Arg-303 in the late phase of interferon gamma (IFN-gamma) signaling, leading to preferential interaction with STAT1 and thus resulting in release of STAT1

from its target gene.

细胞定位

Nucleus speckle. Interaction with CSRP2 may induce a partial redistribution along the cytoskeleton.

图片



Lane 1 : Anti-PIAS1 antibody [EPR2580(2)] (ab109388) at 1/500 dilution

Lane 2 : Anti-GST antibody [EPR4236] ([ab111947](#)) at 1/2000 dilution

All lanes : Recombinant Human PIAS1 protein ([ab152888](#))

Lysates/proteins at 0.01 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 72 kDa

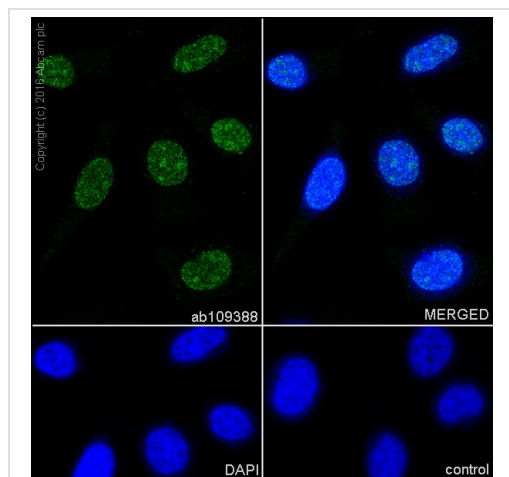
Observed band size: 98 kDa

Exposure time:

Lane 1: 10 seconds.

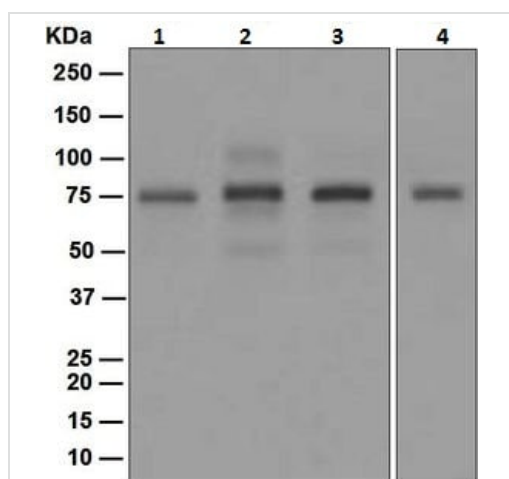
Lane 2: 1 minute.

Blocking and dilution buffer: 5% NFDM /TBST.



Immunocytochemistry/ Immunofluorescence - Anti-PIAS1 antibody [EPR2580(2)] (ab109388)

Immunocytochemistry/ Immunofluorescence analysis of HeLa (human cervix adenocarcinoma epithelial cell) cells labeling PIAS1 with purified ab109388 at 1/500 dilution (4.6 µg/mL). Cells were fixed in 100% Methanol. Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/mL) dilution. DAPI (blue) was used as nuclear counterstain.



Western blot - Anti-PIAS1 antibody [EPR2580(2)] (ab109388)

All lanes : Anti-PIAS1 antibody [EPR2580(2)] (ab109388) at 1/1000 dilution

Lane 1 : HepG2 cell lysates

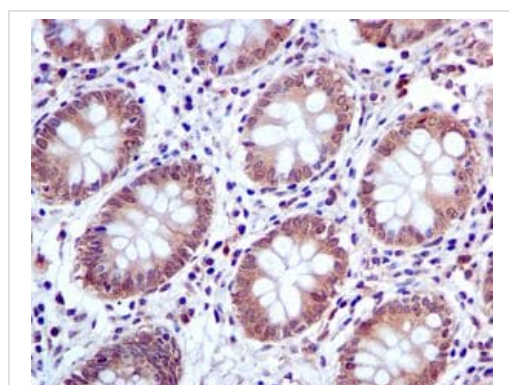
Lane 2 : Jurkat cell lysates

Lane 3 : HEK-293 cell lysates

Lane 4 : Daudi cell lysates

Lysates/proteins at 10 µg per lane.

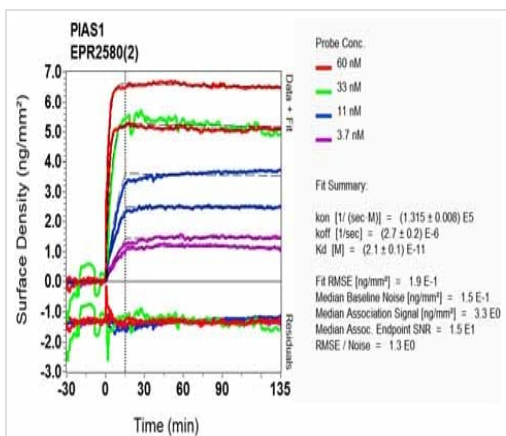
Predicted band size: 72 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PIAS1 antibody [EPR2580(2)] (ab109388)

Immunohistochemical analysis of paraffin-embedded Human colon tissue using 1/100 ab109388.

Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



SPR Scanning - Anti-PIAS1 antibody [EPR2580(2)]
(ab109388)

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

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-PIAS1 antibody [EPR2580(2)] (ab109388)

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