


Anti-PIST antibody [EPR4079] ab109119

リコンビナント **RabMAb**

3 References [画像数 9](#)

製品の概要

製品名	Anti-PIST antibody [EPR4079]
製品の詳細	Rabbit monoclonal [EPR4079] to PIST
由来種	Rabbit
アプリケーション	適用あり: ICC/IF, WB, IHC-P
種交差性	交差種: Human 交差が予測される動物種: Mouse 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: A375, 293T, and PC-3 cell lysates and human prostate and fetal kidney tissue lysates. IHC-P: Human stomach tissue. ICC/IF: HeLa cells.
特記事項	<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> <p>Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	<p>pH: 7.20</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant</p>
精製度	Protein A purified

ポリ/モノ	モノクローナル
クローン名	EPR4079
アイソタイプ	IgG

アプリケーション

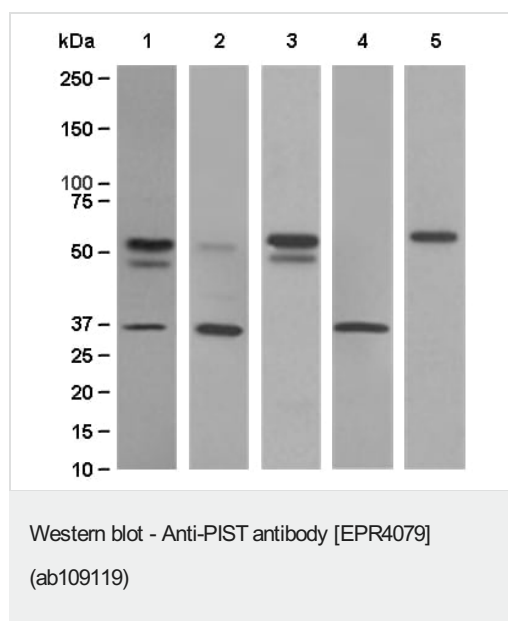
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab109119の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF		1/50 - 1/100.
WB		1/1000 - 1/10000. Predicted molecular weight: 51 kDa.
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

ターゲット情報

機能	Plays a role in intracellular protein trafficking and degradation. May regulate CFTR chloride currents and acid-induced ACCN3 currents by modulating cell surface expression of both channels. May also regulate the intracellular trafficking of the ADR1B receptor. May play a role in autophagy. Overexpression results in CFTR intracellular retention and degradation in the lysosomes.
組織特異性	Ubiquitously expressed.
関連疾患	Note=A chromosomal aberration involving GOPC is found in a glioblastoma multiforme sample. An intra-chromosomal deletion del(6)(q21q21) is responsible for the formation of GOPC-ROS1 chimeric protein which has a constitutive receptor tyrosine kinase activity.
配列類似性	Contains 1 PDZ (DHR) domain.
ドメイン	The PDZ domain mediates interactions with FZD5, FZD8, ACCN3, GRID2, CLCN3 (By similarity). Mediates also interaction with CFTR and ADRB1. The coiled-coil region probably mediates association to membranes, targeting to the Golgi, and interactions with GOLGA3, and STX6. May also mediate interaction with RHOQ.
細胞内局在	Cytoplasm. Golgi apparatus membrane. Golgi apparatus > trans-Golgi network membrane. Cell junction > synapse. Cell junction > synapse > postsynaptic cell membrane > postsynaptic density. Cell projection > dendrite. Enriched in synaptosomal and postsynaptic densities (PSD) fractions (By similarity). Expressed in cell bodies and dendrites of Purkinje cells (By similarity). Localized at the trans-Golgi network (TGN) of spermatids and the medulla of round spermatides.

画像



All lanes : Anti-PIST antibody [EPR4079] (ab109119) at 1/1000 dilution

Lane 1 : A375 cell lysate

Lane 2 : 293T cell lysate

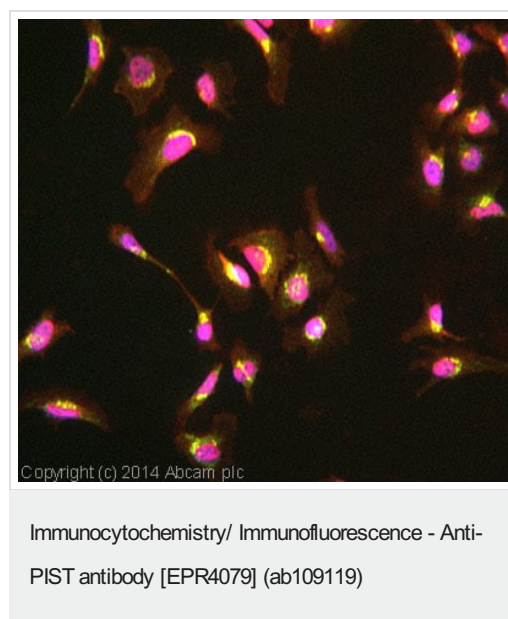
Lane 3 : Fetal kidney lysate

Lane 4 : PC-3 cell lysate

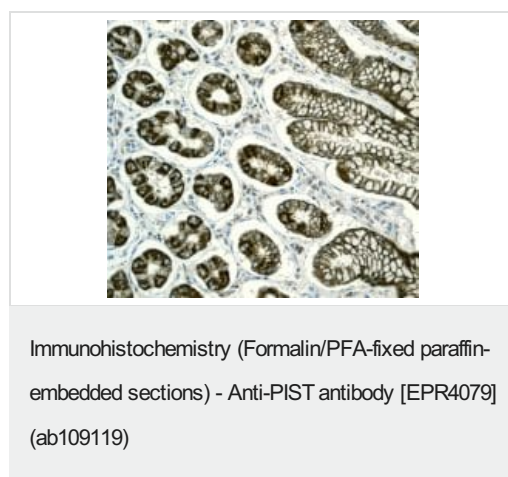
Lane 5 : Human prostate lysate

Lysates/proteins at 10 µg per lane.

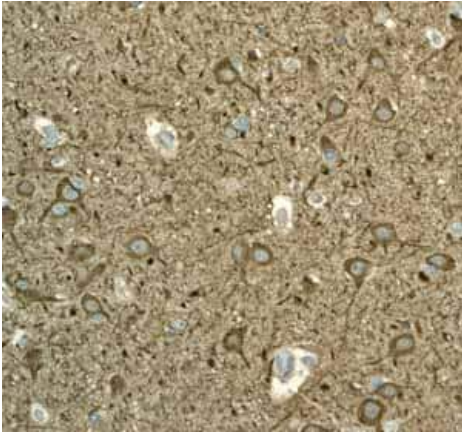
Predicted band size: 51 kDa



ab109119 stained HeLa cells. The cells were 4% formaldehyde fixed for 10 minutes at room temperature and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1hour at room temperature to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab109119 at 1/100) overnight at +4°C. The secondary antibody (pseudo-colored green) was Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed (**ab150081**) used at a 1/1000 dilution for 1hour at room temperature. Alexa Fluor® 594 WGA was used to label plasma membranes (pseudo-colored red) at a 1/200 dilution for 1hour at room temperature. DAPI was used to stain the cell nuclei (pseudo-colored blue) at a concentration of 1.43µM for 1hour at room temperature.

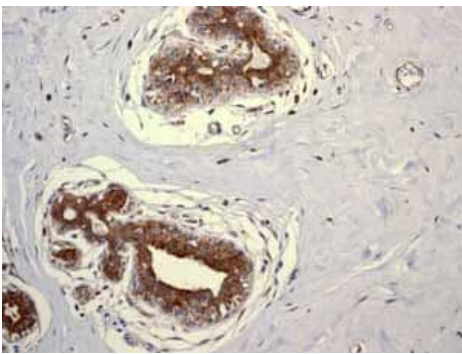


Immunohistochemical staining of PIST expression in paraffin-embedded Human stomach tissue using ab109119 at 1/250 dilution. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PIST antibody [EPR4079] (ab109119)

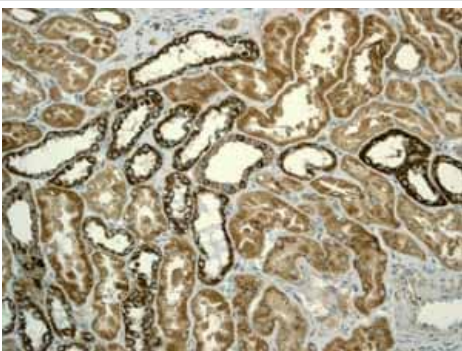
ab109119 showing positive staining in Normal brain tissue.
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PIST antibody [EPR4079] (ab109119)

ab109119 showing positive staining in Normal breast tissue.

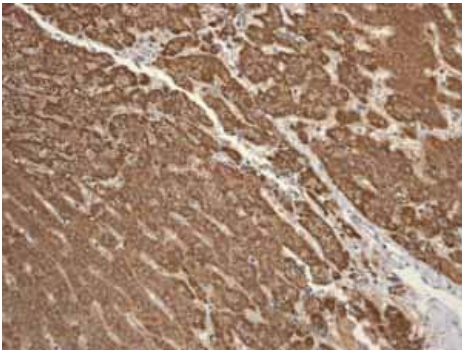
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PIST antibody [EPR4079] (ab109119)

ab109119 showing positive staining in Normal kidney tissue.

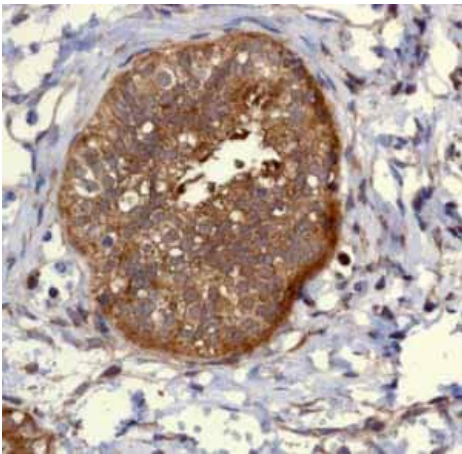
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PIST antibody [EPR4079] (ab109119)

ab109119 showing positive staining in Normal liver tissue.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PIST antibody [EPR4079] (ab109119)

ab109119 showing positive staining in Normal ovary tissue.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Why choose a recombinant antibody?



Research with confidence
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Long-term and scalable supply
Recombinant technology



Success from the first experiment
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Anti-PIST antibody [EPR4079] (ab109119)

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