

S100P binding protein Rabbit pAb

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Catalog # AP52310

Product Information

Application	WB
Primary Accession	Q96BU1
Reactivity	Human, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45582
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human S100BPB
Epitope Specificity	331-408/408
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus. Note=Colocalizes with S100P in the nucleus.
SIMILARITY	Contains 1 NTF2 domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	S100BPB was originally cloned from a pancreatic epithelioid carcinoma library and encodes a predicted 408 amino acid protein. RT-PCR detected S100BPB expression in brain, breast, spleen, and lung, but not in pancreas and liver. GFP-tagged S100BPB localized to nuclei of transfected HeLa cells.

Additional Information

Gene ID	64766
Other Names	S100P-binding protein, S100P-binding protein Riken, S100BPB {ECO:0000312 EMBL:AAH15175.1}
Dilution	WB=1:500-2000,Flow-Cyt=1ug/Test
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	S100BPB {ECO:0000312 EMBL:AAH15175.1}
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Cellular Location

Nucleus. Note=Colocalizes with S100P in the nucleus

Tissue Location

Expressed in brain, spleen, and lung. Not detected in pancreas or liver. In pancreas, expressed predominantly in islet cells and to a lesser extent in acinar cells, but not expressed in ductal cells. Up-regulated in various pancreatic ductal adenocarcinomas and pancreatic intraepithelial neoplasias. Detected in pancreatic ductal adenocarcinoma cells (at protein level). Not detected in non- neoplastic ductal epithelium (at protein level)

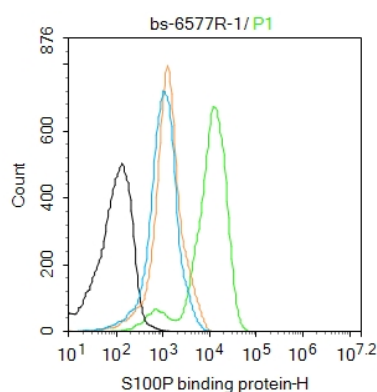
Background

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References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Dowen S.E.,et al.Am. J. Pathol. 166:81-92(2005).
Deng H.,et al.Am. J. Clin. Pathol. 129:81-88(2008).

Images



Blank control:K562.

Primary Antibody (green line): Rabbit Anti-S100P binding protein antibody (AP52310)

Dilution: 1 µg /10⁶ cells;

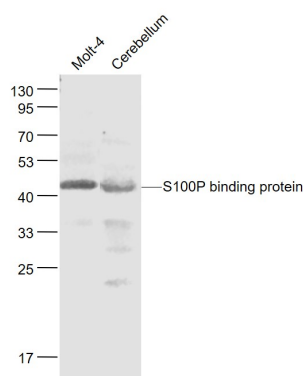
Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-FITC

Dilution: 0.5 µg /test.

Protocol

The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



Sample:

Molt-4 (Human) Lysate at 40 ug

Cerebellum (Mouse) Lysate at 40 ug

Primary: Anti- S100P binding protein (AP52310) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 46 kD

Observed band size: 46 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.