

Rabbit anti-Human S100P Polyclonal Antibody | anti-S100P antibody

S100P Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327450	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

S100P; Polyclonal Antibody; S100P Antibody; MIG9; Migration inducing gene 9; Protein S100-E; Protein S100-P; Protein S100P; S100 calcium binding protein P; S100 calcium-binding protein P; S100 P; S100E; S100P_HUMAN; anti-S100P antibody

PRODUCT SPECIFICATIONS

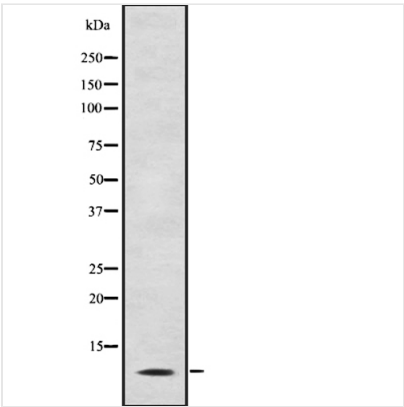
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	S100P antibody detects endogenous levels of total S100P
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	95
Applicable Applications for anti-S100P antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human S100P
Subcellular Location	Nucleus. Cytoplasm. Colocalizes with S100PBP in the nucleus.
Tissue Specificity	Detected in all of the tissues except brain, testis and small intestine, expression level is higher in placenta, heart, lung, skeletal muscle, spleen and leukocyte. Up-regulated in various pancreatic ductal adenocarcinomas and pancreatic intraepithelial neoplasias.
Predicted Cross Reactivity	Horse, Dog
Similarity	Horse (92%), Dog (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA327450 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis S100P using Jurkat whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-S100P antibody	Function: May function as calcium sensor and contribute to cellular calcium signaling. In a calcium-dependent manner, functions by interacting with other proteins, such as EZR and PPP5C, and indirectly plays a role in physiological processes like the formation of microvilli in epithelial cells. May stimulate cell proliferation in an autocrine manner via activation of the receptor for activated glycation end products (RAGE). Subunit Structure: Homodimer and heterodimer with S100A1. Interacts with S100PBP and S100Z. Interacts with CACYBP in a calcium-dependent manner. Dimeric form binds to and activates EZR/Ezrin by unmasking its F-actin binding sites. Interacts with PPP5C (via TPR repeats); the interaction is calcium-dependent and modulates PPP5C activity. Similarity: Belongs to the S-100 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5174663
NCBI GeneID	6286
NCBI Accession #	NP_005971.1
NCBI GenBank Nucleotide #	NM_005980.3
UniProt Accession #	P25815; Q5J7W2
Molecular Weight	Observed: 10 kDa Predicted: 11 kDa
NCBI Official Full Name	protein S100-P
NCBI Official Synonym Full Names	S100 calcium binding protein P
NCBI Official Symbol	S100P
NCBI Official Synonym Symbols	MIG9
NCBI Protein Information	protein S100-P
UniProt Protein Name	Protein S100-P
UniProt Gene Name	S100P
UniProt Synonym Gene Names	S100E; MIG9

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

