

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

Anti-S100P Antibody, Rabbit Polyclonal

CATALOG # AAA255600	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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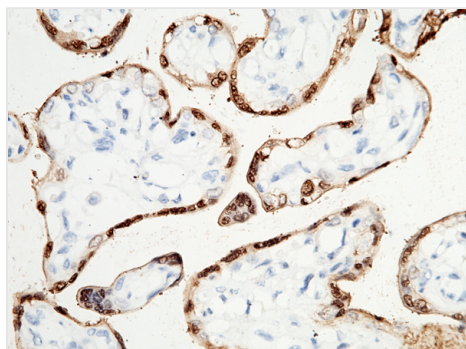
PRODUCT SYNONYMS

S100P; Polyclonal Antibody; Anti-S100P Antibody; Rabbit Polyclonal; S100P Antibody; Rabbit PAb; Antigen Affinity Purified; S100 calcium binding protein P; Anti-MIG9 Antibody; anti-S100P antibody

PRODUCT SPECIFICATIONS

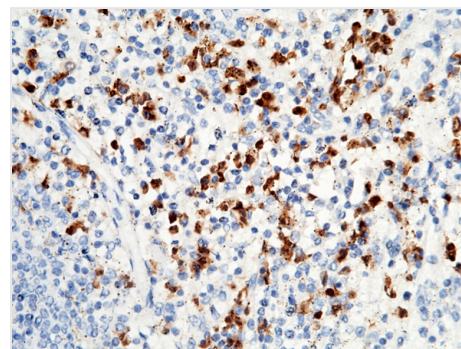
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human S100P
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-S100P antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human S100P protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human S100P (rh S100P). S100P specific IgG was purified by Human S100P affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human S100P in human placenta with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections). The image showing nucleus staining of trophoblastic cells.



IHC (Immunohistochemistry)

Immunochemical staining of human S100P in human spleen with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-S100P antibody	Protein S100-P, also known as Protein S100-E, S100 calcium-binding protein P, S100P and S100E, is a nucleus and cytoplasm protein that belongs to the S-100 family. S100P/S100E contains twoEF-hand domains. S100P protein regulates calcium signal transduction and mediates cytoskeletal interaction, protein phosphorylation and transcriptional control. S100P/S100E overexpression can upregulate androgen receptor expression and thereby promote prostate cancer progression by increasing cell growth. S100P/S100E may directly confer resistance to chemotherapy. S100P/S100E induction may be considered an important step in the initial stage of lung adenocarcinomas, whereas its downregulation in advanced stages seems to be important for tumour progression in which DNA methylation and/or feedback transcription processes play a critical role. S100P/S100E plays a major role in the aggressiveness of pancreatic cancer that is likely mediated by its ability to activate RAGE. Interference with S100P/S100E may provide a novel approach for treatment of pancreatic cancer. S100P/S100E could be considered a potential drug target or a chemosensitization target, and could also serve as a biomarker for aggressive, hormone-refractory and metastatic prostate cancer.
Product Categories/Family for anti-S100P antibody	Calcium-binding Proteins and Related Molecules
References	Arumugam, T. et al., 2005, Clin Cancer Res. 11 (15): 5356-64. Basu, G.D. et al., 2008, Int J Cancer. 123 (2): 330-9. Rehbein, G. et al., 2008, Int J Mol Med. 22 (1): 69-77. Heil, A. et al., 2011, J Biol Chem. 286 (9): 7227-38.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119602790
NCBI GeneID	6286
UniProt Accession #	P25815 ; Q5J7W2
Molecular Weight	10,400 Da
NCBI Official Full Name	S100 calcium binding protein 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; protein S100-E; S100 calcium-binding protein P; migration-inducing gene 9 protein
UniProt Protein Name	Protein S100-P
UniProt Gene Name	S100P
UniProt Synonym Gene Names	S100E; MIG9
UniProt Entry Name	S100P_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/s100p-antibody-immunohistochemistry-elisa/255600>