

Rabbit anti-Human S100A10 Polyclonal Antibody | anti-S100A10 antibody

Anti-S100A10 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA259425	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, ELISA, Western Blot

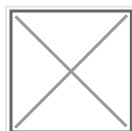
PRODUCT SYNONYMS

S100A10; Polyclonal Antibody; Anti-S100A10 Antibody; Rabbit Polyclonal; S100A10 Antibody; Rabbit PAb; Antigen Affinity Purified; S100 calcium binding protein A10; Anti-42C Antibody; Anti-ANX2L Antibody; Anti-ANX2LG Antibody; Anti-CAL1L Antibody; Anti-Ca[1] Antibody; Anti-CLP11 Antibody; Anti-GP11 Antibody; Anti-p10 Antibody; Anti-P11 Antibody; anti-S100A10 antibody

PRODUCT SPECIFICATIONS

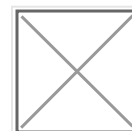
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human S100A10
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-S100A10 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human S100A10 Protein (NP_002957.1; Pro2-Lys97). S100A10 specific IgG was purified by Human S100A10 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-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. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

IMAGES



IP (Immunoprecipitation)

S100A10 was immunoprecipitated using: Lane A:0.5 mg Hela Whole Cell Lysate 4 uL anti-S100A10 rabbit polyclonal antibody and 60ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-S100A10 rabbit polyclonal antibody,at 1:100 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 11 kDa Observed band size :11 kDa



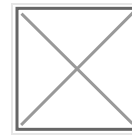
IHC (Immunohistochemistry)

Immunochemical staining of human S100A10 in human tonsil with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human S100A10 in human lung cancer with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-S100A10 rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lysates/proteins at 30ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 11 kDa Observed band size: 11 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-S100A10 antibody	S100 protein is a family of low molecular weight protein found in vertebrates characterized by two EF-hand calcium-binding motifs. There are at least 21 different S100 proteins, and the name is derived from the fact that the protein is 100% soluble in ammonium sulfate at neutral pH. Most S100 proteins are disulfide-linked homodimer, and is normally present in cells derived from the neural crest, chondrocytes, macrophages, dendritic cells, etc. S1 proteins have been implicated in a variety of intracellular and extracellular functions. They are involved in regulation of protein phosphorylation, transcription factors, the dynamics of cytoskeleton constituents, enzyme activities, cell growth and differentiation, and the inflammatory response. Protein S100-A10, also known as Calpactin I light chain, Cellular ligand of annexin II, S100 calcium-binding protein A10, p10 protein, p11, ANX2LG and S100A10, is a member of the S100 family of small, dimeric EF hand-type Ca(2+)-binding proteins that generally modulate cellular target proteins in response to intracellular Ca(2+) signals. In contrast to all other S100 proteins, S100A10 is Ca(2+) insensitive because of amino acid replacements in its Ca(2+)-binding loops that lock the protein in a permanently active state. S100A10 forms a heterotetramer with annexin IIH and promotes carcinoma invasion and metastasis by plasminogen activation. S100A10 and annexin II contribute to the aggressive characteristics of anaplastic carcinoma, while playing a constitutive role in papillary carcinoma. S100A10 induces the dimerization of ANXA2/p36, it may function as a regulator of protein phosphorylation in that the ANXA2 monomer is the preferred target of tyrosine-specific kinase. S100A10 functions as a linker tethering certain transmembrane proteins to annexin A2 thereby assisting their traffic to the plasma membrane and/or their firm anchorage at certain membrane sites.
Product Categories/Family for anti-S100A10 antibody	Calcium-binding Proteins and Related Molecules
References	Gebhardt. C.e. al.. 2006. Bioche. Pharmacol. 72(11):1622-31. Ito, Y. e. al.. 2007. Anticancer. Res. 27(4C):2679-83. Svenningsson, P. e. al.. 2007. Cur. Opin. Pharmacol. 7(1):27-32. Rescher, U. e. al.. 2008. Pflugers Arch. 455(4):575-82. Nonaka, D. e. al.. 2008. J. Cutan. Pathol. 35(11): 1014-9. Lim, S.Y. e. al.. 2008. Immunol. 181(8): 5627-36. Heibec. TH. e. al.. 2009. J. Proteom. Res. 8:3852-61.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506761
NCBI GeneID	6281
NCBI Accession #	NP_002957.1
NCBI GenBank Nucleotide #	NM_002966.2
UniProt Accession #	P60903 ; P08206 ; Q5T1C5 ; A8K4V8
Molecular Weight	11,203 Da
NCBI Official Full Name	protein S100-A10
NCBI Official Synonym Full Names	S100 calcium binding protein A10
NCBI Official Symbol	S100A10
NCBI Official Synonym Symbols	42C; P11; p10; GP11; ANX2L; CAL1L; CLP11; Ca[1]; ANX2LG
NCBI Protein Information	protein S100-A10; S100 calcium binding protein A10 (annexin II ligand, calpactin I, light polypeptide (p11)); S100 calcium-binding protein A10 (annexin II ligand, calpactin I, light polypeptide (p11)); annexin II tetramer (AII) p11 subunit; calpactin I I

UniProt Protein Name	Protein S100-A10
UniProt Gene Name	S100A10
UniProt Synonym Gene Names	ANX2LG; CAL1L; CLP11
UniProt Entry Name	S10AA_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/s100a10-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/259425>