

Rabbit S100 A1 Polyclonal Antibody | anti-S100 A1 antibody

S100 A1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA303573	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

S100 A1; Polyclonal Antibody; S100 A1 Antibody; S100-ALPHA; S100 CALCIUM-BINDING PROTEIN A1; anti-S100 A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total S100 A1 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	94
Applicable Applications for anti-S100 A1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human S100 A1.
Target Name	S100 A1
Preparation and Storage	Store at -20 degree C

IMAGES



WB (Western Blot)

Western blot analysis of extracts from 293 cells (Lane 2), using S100 A1 antibody. The lane on the left is treated with synthesized peptide.



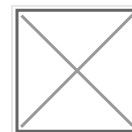
WB (Western Blot)

Western blot analysis of extracts from A549 cells, using S100 A1 antibody.



IF (Immunofluorescence)

Immunofluorescence analysis of A549 cells, using S100 A1 antibody.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human brain tissue using S100 A1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-S100 A1 antibody	Weakly binds calcium but binds zinc very tightly-distinct binding sites with different affinities exist for both ions on each monomer. Physiological concentrations of potassium ion antagonize the binding of both divalent cations, especially affecting high-affinity calcium-binding sites. May mediate calcium-dependent regulation on many physiological processes by interacting with other proteins, such as TPR-containing proteins, and modulating their activity.Patrick Most, J. Biol. Chem., Nov 2003; 278: 48404 - 48412. Miki Okada, J. Biol. Chem., Feb 2004; 279: 4221 - 4233. Melanie Boerries, Mol. Cell. Biol., Jun 2007; 27: 4365 - 4373. Patrick Most, J. Clin. Invest., Dec 2004; 114: 1550 - 1563.
Product Categories/Family for anti-S100 A1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	5454032
NCBI GeneID	6271
NCBI Accession #	NP_006262.1
NCBI GenBank Nucleotide #	NM_006271.1
UniProt Accession #	P23297; Q5T7Y3; B2R5D9
Molecular Weight	10,546 Da
NCBI Official Full Name	protein S100-A1
NCBI Official Synonym Full Names	S100 calcium binding protein A1
NCBI Official Symbol	S100A1
NCBI Official Synonym Symbols	S100; S100A; S100-alpha
NCBI Protein Information	protein S100-A1
UniProt Protein Name	Protein S100-A1
UniProt Gene Name	S100A1
UniProt Synonym Gene Names	S100A
UniProt Entry Name	S10A1_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/s100-a1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/303573>