Rabbit anti-Mouse S100A1 Polyclonal Antibody | anti-S100A1 antibody

Anti-S100A1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257122	**Rabbit**	**Mouse**	**Immunohistochemistry, ELISA, Western Blot**

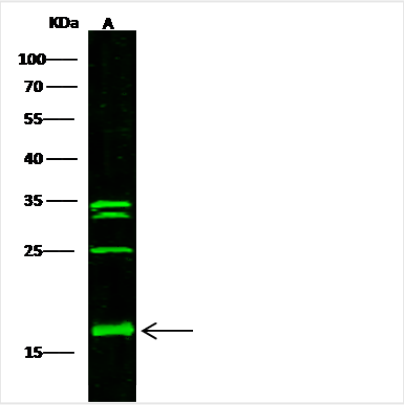
PRODUCT SYNONYMS

S100A1; Polyclonal Antibody; Anti-S100A1 Antibody; Rabbit Polyclonal; S100A1 Antibody; Rabbit PAb; Antigen Affinity Purified; S100 calcium binding protein A1; Anti-AI266795 Antibody; Anti-S100 Antibody; Anti-S100a Antibody; anti-S100A1 antibody

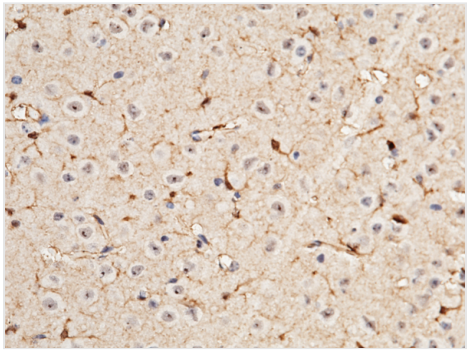
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse S100A1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-S100A1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Mouse S100A1 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Mouse S100A1 (rM S100A1). S100A1 specific IgG was purified by Mouse S100A1 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.

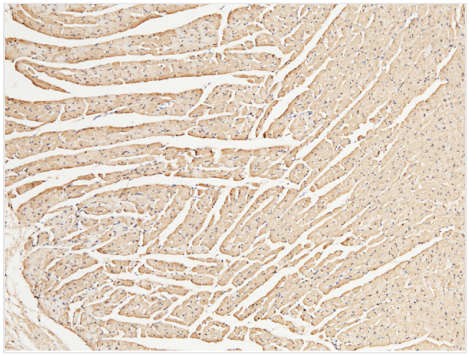
IMAGES



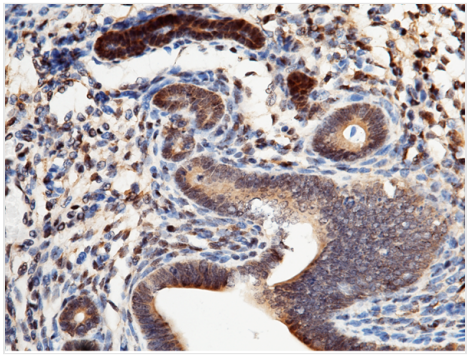
WB (Western Blot)
Anti-S100A1 rabbit polyclonal antibody at 1:500 dilutionLane A: Jurkat Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:11 kDaObserved band size:17 kDa(We are unsure as to the identity of these extra bands.



IHC (Immunohistochemisry)
Immunochemical staining of mouse S100A1 in mouse brain with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



IHC (Immunohiostchemistry)
Immunochemical staining of mouse S100A1 in mouse heart with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections). Positive staining was localized to cardiac muscle.



IHC (Immunohistochemistry)
Immunochemical staining of mouse S100A1 in mouse uterus with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections). Positive staining was localized to uterine gland.

ADDITIONAL INFORMATION

Related Product Information for anti-S100A1 antibody	S100A1 is a Ca2+ binding protein of the EF-hand type that belongs to the S100 protein family. S100 proteins consisting of at least 19 members exist as dimers in the cytoplasm and/or nucleus of a wide range of cells, and are involved in the regulation of a number of cellular processes such as cell-cycle progression and cell differentiation. This protein has been shown to function in the processes including stimulation of Ca2+-induced Ca2+ release, inhibition of microtubule assembly, and inhibition of PKC-mediated phosphorylation. Phosphoglucomutase is a target protein whose activity is antagonistically regulated by S100A1, and recently, S100A1 is also identified as a potent molecular chaperone and a new member of the Hsp70/Hsp90 multichaperone complex. S100A1 displays a tissue-specific expression pattern with highest levels in myocardium and is considered to be an important regulator of cardiac contractility. Accordingly, reduced expression or mutations of S100A1 gene have been implicated in cardiomyopathies.
Product Categories/Family for anti-S100A1 antibody	Calcium-binding Proteins and Related Molecules
References	Remppis, A.et al., 1996, Biochim. Biophs. Acta. 1313: 253-257. Most, P. et al., 2001, Proc. Natl. Acad. Sci. U.S.A. 98: 13889-13894 Okada, M. et al., 2004, J. Biol. Chem. 279: 4221-4233. Schafer, W.E. et al., 1995, Genomics. 25: 638-643. Landar, A. et al., 1996, Cell. Calcium. 20: 279-285.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6755386

NCBI GeneID	20193
NCBI Accession #	NP_035439.1
NCBI GenBank Nucleotide #	NM_011309.3
UniProt Accession #	P56565; O88949
Molecular Weight	10,505 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; AI266795
NCBI Protein Information	protein S100-A1; S-100 protein alpha chain; S-100 protein subunit alpha; S100 calcium-binding protein A1
UniProt Protein Name	Protein S100-A1
UniProt Gene Name	**S100a1**
UniProt Entry Name	S10A1_MOUSE

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://www.aaabiotech.com/polyclonal/s100a1-antibody-immunohistochemistry-western-blot-elisa/257122