

Mouse anti-Human S100A1 Antibody | anti-S100A1 antibody

S100A1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108436	Mouse	Human	ELISA, Immunohistochemistry, Western Blot

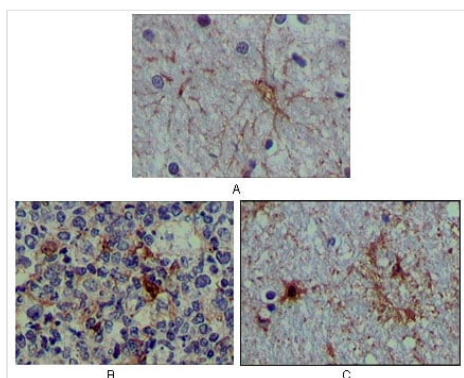
PRODUCT SYNONYMS

S100A1; S100A1 Antibody; S100; S100A; S100-alpha; anti-S100A1 antibody

PRODUCT SPECIFICATIONS

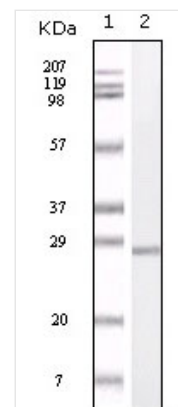
Host	Mouse
Reactivity	Human
Isotype	IgG1
Clone Number	2C8B8; 2C8E8; 3C8D8
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	94
Applicable Applications for anti-S100A1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of S100A1 expressed in E. Coli.
Preparation and Storage	Store at 4 degree C, for long term storage, store at -20 degree C

IMAGES



IHC (Immunohistochemistry)

Figure 2. Immunohistochemical analysis of paraffin-embedded human brain tissue (A), lymphoid follicles tissue (B) and interbrain tissue (C), showing cytoplasmic localization using S100A mouse mAb with DAB staining.



WB (Western Blot)

Figure 1. Western blot analysis using S100A mouse mAb against truncated S100A recombinant protein.

ADDITIONAL INFORMATION

Related Product Information for anti-S100A1 antibody	S100 calcium binding protein A1 (S100-alpha/S100A1), it is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in stimulation of Ca2+-induced Ca2+ release, inhibition of microtubule assembly, and inhibition of protein kinase C-mediated phosphorylation. Reduced expression of this protein has been implicated in cardiomyopathies.
Product Categories/Family for anti-S100A1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

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

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/mouse-human-antibody/s100a1/108436>