

Rabbit anti-Human S100/S100A1 Polyclonal Antibody | anti-S100A1 antibody

S100/S100A1 Rabbit pAb

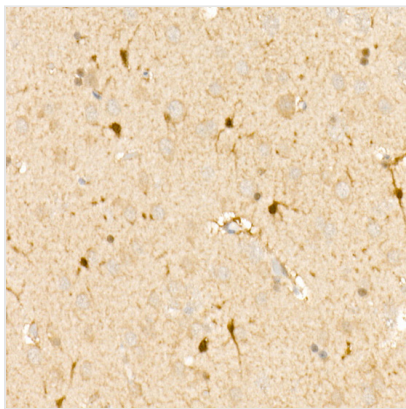
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28617	Rabbit	Human	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

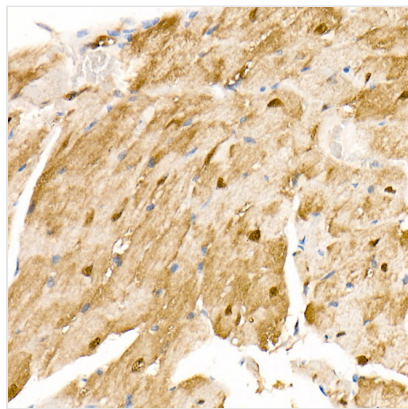
S100/S100A1; Polyclonal Antibody; S100/S100A1 Rabbit pAb; S100; S100A; S100-alpha; anti-S100A1 antibody

PRODUCT SPECIFICATIONS

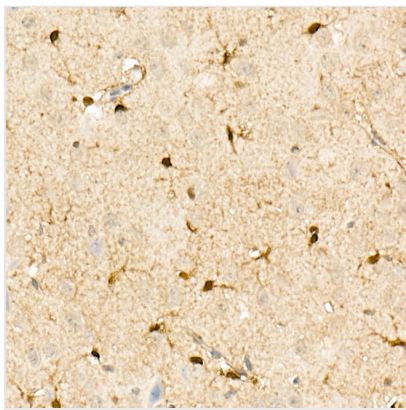
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	MGSELETAME TLINVFHAHS GKEGDKYKLS KKELKELLQT ELSGFLDAQK DVDVAVDKVMK ELDENG DGEV DFQEYVVLVA ALTVACNNFF WENS
Applicable Applications for anti-S100A1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Application Notes	IF/ICC: 1:100-1:500 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-94 of human S100/S100A1 (NP_006262.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



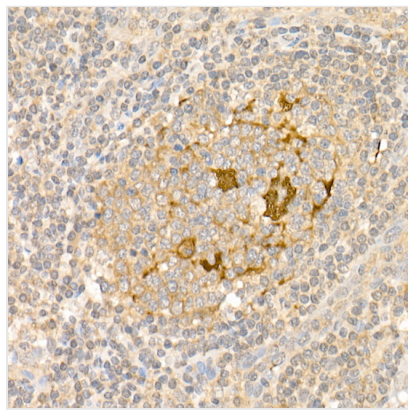
IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Rat brain using S100/S100A1 Rabbit pAb (AAA28617) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



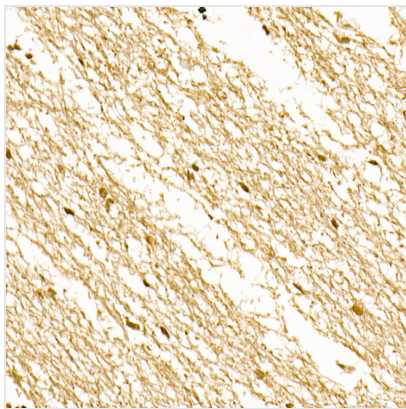
IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Mouse heart using S100/S100A1 Rabbit pAb (AAA28617) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



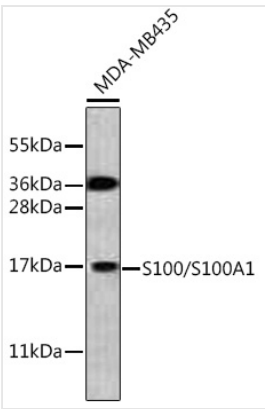
IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Mouse brain using S100/S100A1 Rabbit pAb (AAA28617) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human tonsil using S100/S100A1 Rabbit pAb (AAA28617) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human brain using S100/S100A1 Rabbit pAb (AAA28617) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



WB (Western Blot)
Western blot analysis of lysates from MDA-MB435 cells, using S100/S100A1 Rabbit pAb (AAA28617).Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-S100A1 antibody	The protein encoded by this gene 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	Epigenetics Nuclear Signaling; Cell Biology Developmental Biology; Cell Cycle; Cell differentiation; Neuroscience; Calcium Signaling; Antibodies

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	Calculated MW: 11kDa
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-s100a1-antibody-western-blot-immunohistochemistry-elisa/28617>