

Mouse anti-Human S100-A2 Monoclonal Antibody | anti-S100-A2 antibody

Anti-S100-A2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA266015	Mouse	Human	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

S100-A2; Monoclonal Antibody; Anti-S100-A2 Antibody; anti-S100-A2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1 kappa
Specificity	Recognizes endogenous levels of S100-A2 protein.
Purity/Purification	This antibody is purified through a protein G column.
Form/Format	Mouse IgG1 kappa. Liquid in PBS, pH7.3, 30% glycerol, and 0.01% sodium azide.
Applicable Applications for anti-S100-A2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein of human S100-A2. The exact sequence is proprietary.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



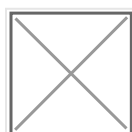
IF (Immunofluorescence)

Immunofluorescent analysis of S100-A2 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF555 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



IHC (Immunohistochemistry)

Immunohistochemical analysis of S100-A2 staining in human skin formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)

Western blot analysis of S100-A2 expression in A431 (A), HACAT (B), SW480 (C) whole cell lysates. (Predicted band size: 11 kD; Observed band size: 11 kD)

ADDITIONAL INFORMATION

Related Product Information for anti-S100-A2 antibody	Mouse monoclonal antibody to S100-A2
Product Categories/Family for anti-S100-A2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	5174661
NCBI GeneID	6273
NCBI Accession #	NP_005969.1
NCBI GenBank Nucleotide #	NM_005978.3
UniProt Accession #	P29034 ; O00266 ; Q3KRB9 ; Q5RHS8 ; Q9BU83
Molecular Weight	11,117 Da
NCBI Official Full Name	protein S100-A2
NCBI Official Synonym Full Names	S100 calcium binding protein A2
NCBI Official Symbol	S100A2
NCBI Official Synonym Symbols	CAN19; S100L
NCBI Protein Information	protein S100-A2; S100 calcium-binding protein A2
UniProt Protein Name	Protein S100-A2
UniProt Gene Name	S100A2
UniProt Synonym Gene Names	S100L
UniProt Entry Name	S10A2_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/monoclonal/s100-a2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/266015>