

Mouse anti-Human S100A2 Monoclonal Antibody | anti-S100A2 antibody

S100A2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290614	Mouse	Human	ELISA, Immunohistochemistry, Western Blot, Immunofluorescence

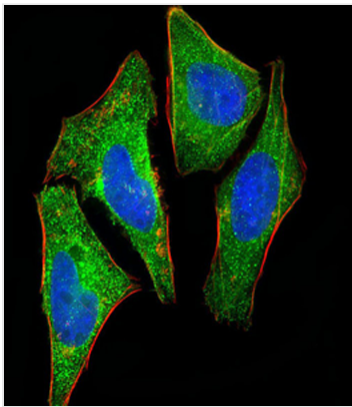
PRODUCT SYNONYMS

S100A2; Monoclonal Antibody; S100A2 Antibody; Purified Mouse Monoclonal Antibody (Mab); Protein S100-A2; CAN19; Protein S-100L; S100 calcium-binding protein A2; S100L; anti-S100A2 antibody

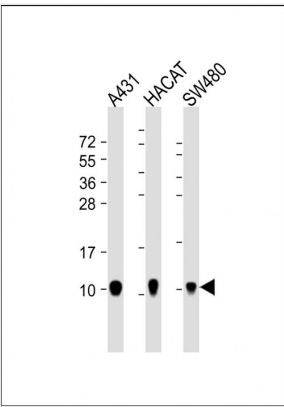
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Specificity	This S100A2 antibody is generated from a mouse immunized with a recombinant protein of human S100A2.
Purity/Purification	Purified through a protein G column, followed by dialysis against PBS
Form/Format	Supplied in PBS with 0.09% (W/V) sodium azide
Sequence Length	97
Applicable Applications for anti-S100A2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence)
Function	May function as calcium sensor and modulator, contributing to cellular calcium signaling. May function by interacting with other proteins, such as TPR-containing proteins, and indirectly play a role in many physiological processes. May also play a role in suppressing tumor cell growth.
Tissue Location	A subset of epithelial cells including normal human mammary epithelial cells and keratinocytes
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)
Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa (human cervical epithelial adenocarcinoma cell line) cells labeling S100A2 with AAA290614 at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-mouse IgG secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm and nucleus staining on HeLa cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin at 1/100 dilution (red).The nuclear counter stain is DAPI (blue).



WB (Western Blot)
All lanes : Anti-S100A2 Antibody at 1:4000 dilutionLane 1: A431 whole cell lysateLane 2: HACAT whole cell lysateLane 3: SW480 whole cell lysateLysates/proteins at 20 ug per lane.SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 11 kDaBlocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Product Categories/Family for anti-S100A2 antibody	Crown Antibodies; Cell Biology; Signal Transduction
References	Lee S.W.,et al.Proc. Natl. Acad. Sci. U.S.A. 89:2504-2508(1992). Wicki R.,et al.Cell Calcium 22:243-254(1997). Gregory S.G.,et al.Nature 441:315-321(2006). Rasmussen H.H.,et al.Electrophoresis 13:960-969(1992). Shimamoto S.,et al.FEBS Lett. 584:1119-1125(2010).

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	Calculated MW: 11117
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
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/s100a2-antibody-immunohistochemistry-western-blot-immunofluorescence-elisa/290614>