10320 Camino Santa Fe, Suite G
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S100A2 Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8507b

Specification

S100A2 Antibody - Product Information

Application	**IF, WB, IHC-P,E**
Primary Accession	P29034
Reactivity	**Human**
Host	**Mouse**
Clonality	**monoclonal**
Isotype	**IgG1,k**
Calculated MW	**11117**

S100A2 Antibody - Additional Information

Gene ID 6273

Other Names
Protein S100-A2, CAN19, Protein S-100L, S100 calcium-binding protein A2, S100A2, S100L

Target/Specificity
This S100A2 antibody is generated from a mouse immunized with a recombinant protein of human S100A2.

Dilution
IF~~1:25
WB~~1:4000
IHC-P~~1:25

Format
Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

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.

Precautions
S100A2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

S100A2 Antibody - Protein Information

Name S100A2

Synonyms S100L

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.

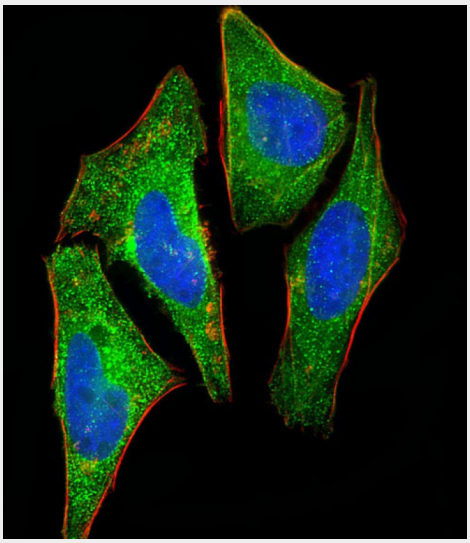
Tissue Location
A subset of epithelial cells including normal human mammary epithelial cells and keratinocytes

S100A2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

S100A2 Antibody - Images



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa (human cervical epithelial adenocarcinoma cell line) cells labeling S100A2 with AM8507b at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-mouse IgG (NA166821) 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 (PD18466410) at 1/100 dilution (red).The nuclear counter stain is DAPI (blue).

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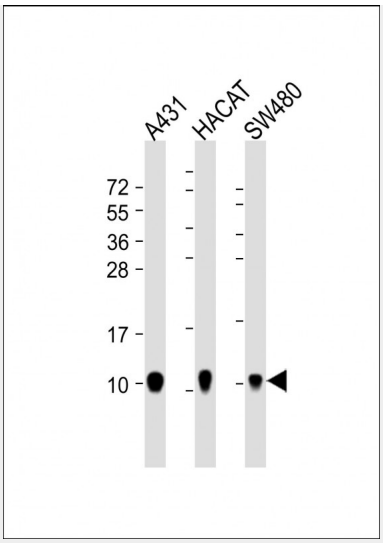
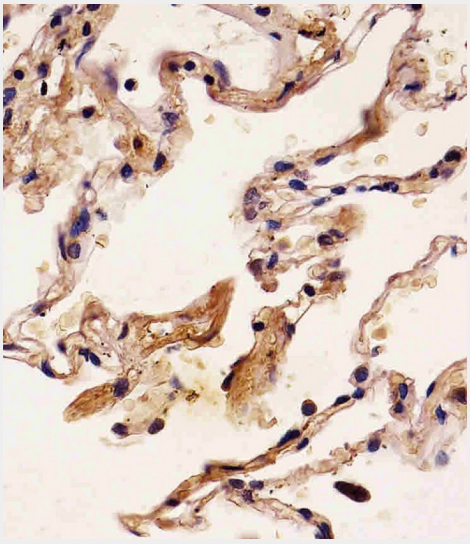


All lanes : Anti-S100A2 Antibody at 1:4000 dilution Lane 1: A431 whole cell lysate Lane 2: HACAT whole cell lysate Lane 3: SW480 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 11 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



AM8507b staining S100A2 in human lung tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

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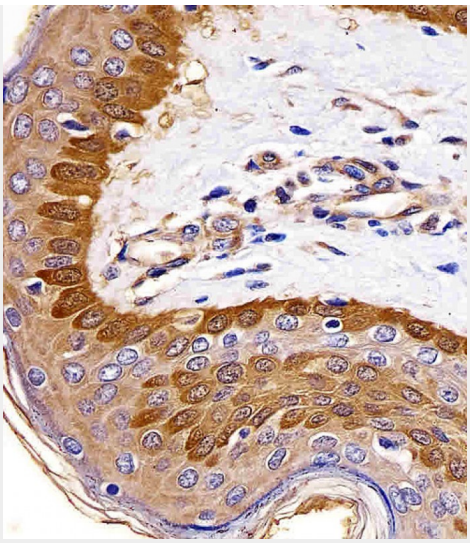

AM8507b staining S100A2 in human skin tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

S100A2 Antibody - Background

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.

S100A2 Antibody - 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).
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Shimamoto S.,et al.FEBS Lett. 584:1119-1125(2010).