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S100A7 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13794a

Specification

S100A7 Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P31151
Other Accession	NP_002954.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**11471**
Antigen Region	**2-31**

S100A7 Antibody (N-term) - Additional Information

Gene ID 6278

Other Names
Protein S100-A7, Psoriasin, S100 calcium-binding protein A7, S100A7, PSOR1, S100A7C

Target/Specificity
This S100A7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 2-31 amino acids from the N-terminal region of human S100A7.

Dilution
WB~~1:1000
IHC-P~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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
S100A7 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

S100A7 Antibody (N-term) - Protein Information

Name S100A7

Synonyms PSOR1, S100A7C

Cellular Location
Cytoplasm. Secreted. Note=Secreted by a non-classical secretory pathway

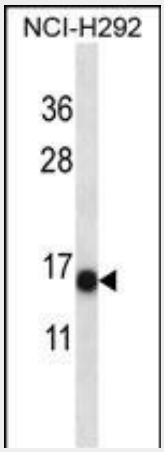
Tissue Location
Fetal ear, skin, and tongue and human cell lines. Highly up-regulated in psoriatic epidermis. Also highly expressed in the urine of bladder squamous cell carcinoma (SCC) bearing patients

S100A7 Antibody (N-term) - Protocols

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

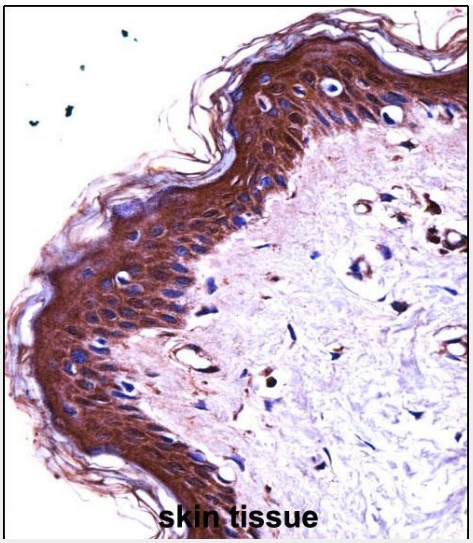
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

S100A7 Antibody (N-term) - Images



S100A7 Antibody (N-term) (Cat. #AP13794a) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the S100A7 antibody detected the S100A7 protein (arrow).

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S100A7 Antibody (N-term) (AP13794a)immunohistochemistry analysis in formalin fixed and paraffin embedded human skin tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of S100A7 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

S100A7 Antibody (N-term) - Background

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 differs from the other S100 proteins of known structure in its lack of calcium binding ability in one EF-hand at the N-terminus. This protein is markedly over-expressed in the skin lesions of psoriatic patients, but is excluded as a candidate gene for familial psoriasis susceptibility. The exact function of this protein is not known.

S100A7 Antibody (N-term) - References

West, N.R., et al. Oncogene 29(14):2083-2092(2010)
Tieu, D.D., et al. J. Allergy Clin. Immunol. 125(3):667-675(2010)
Tripathi, S.C., et al. PLoS ONE 5 (8), E11939 (2010) :
Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) :
West, N.R., et al. Protein Sci. 18(12):2615-2623(2009)