10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

S100A10 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9090c

Product Information

Application	IHC-P, FC, WB, E
Primary Accession	P60903
Other Accession	Q6SQH4, P04163, P60902
Reactivity	Human
Predicted	Bovine, Pig, Rabbit, Mouse, Rat, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB21022
Calculated MW	11203
Antigen Region	12-40

Additional Information

Gene ID	6281
Other Names	Protein S100-A10, Calpactin I light chain, Calpactin-1 light chain, Cellular ligand of annexin II, S100 calcium-binding protein A10, p10 protein, p11, S100A10, ANX2LG, CAL1L, CLP11
Target/Specificity	This S100A10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 12-40 amino acids from the Central region of human S100A10.
Dilution	IHC-P~~1:100~500 FC~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.
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	S100A10 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	S100A10

Synonyms ANX2LG, CAL1L, CLP11

Function Because S100A10 induces the dimerization of ANXA2/p36, it may function as a regulator of protein phosphorylation in that the ANXA2 monomer is the preferred target (in vitro) of tyrosine-specific kinase.

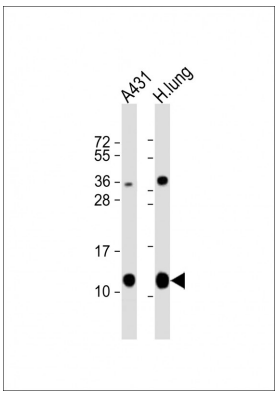
Background

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.

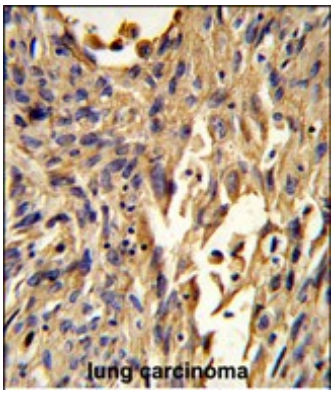
References

Landa,I., et.al., PLoS Genet. 5 (9), E1000637 (2009)
Stemmler,S., et.al., Int. J. Immunogenet. 36 (4), 217-222 (2009)

Images

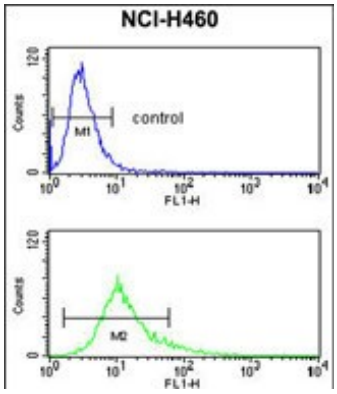


All lanes : Anti-S100A10 Antibody (Center) at 1:8000 dilution Lane 1: A431 whole cell lysate Lane 2: human lung lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 11 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human lung carcinoma reacted with S100A10 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

S100A10 Antibody (Center) (Cat. #AP9090c) flow cytometry analysis of NCI-H460 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.