10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

S100A10 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP9090c

Specification

S100A10 Antibody (Center) - Product Information

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

S100A10 Antibody (Center) - 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
WB~~1:8000
IHC-P~~1:50~100
FC~~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
S100A10 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

S100A10 Antibody (Center) - Protein Information

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Name S100A10

Synonyms ANX2LG, CAL1L, CLP11

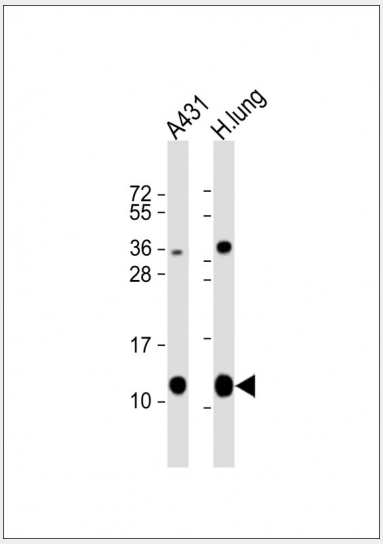
Function Because S100A10 induces the dimerization of ANXA2/p36, it may function as a regulator of protein phosphorylation in that the ANXA2 monomer is the preferred target (in vitro) of tyrosine-specific kinase.

S100A10 Antibody (Center) - Protocols

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

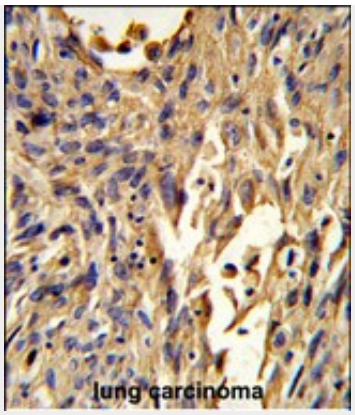
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

S100A10 Antibody (Center) - Images

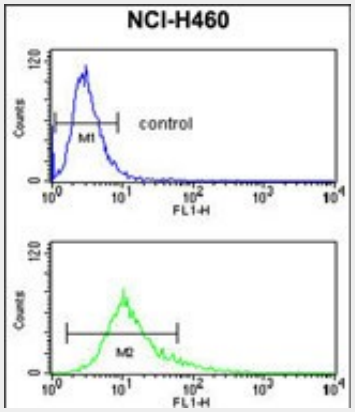


All lanes : Anti-S100A10 Antibody (Center) at 1:8000 dilution Lane 1: A431 whole cell lysate Lane 2: human lung lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 11 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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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.

S100A10 Antibody (Center) - 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.

S100A10 Antibody (Center) - References

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