

For Research Use Only

S100A16 Polyclonal antibody, PBS Only

Catalog Number: 11456-1-PBS

Featured Product



Basic Information

Catalog Number:

11456-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2023

GenBank Accession Number:

BC019099

GeneID (NCBI):

140576

UNIPROT ID:

Q96FQ6

Full Name:

S100 calcium binding protein A16

Calculated MW:

103 aa, 12 kDa

Observed MW:

9-12 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Species Specificity:

human, mouse

Background Information

S100A16 is a member of the S100 protein family. S100A16 is expressed in a variety of human tissues. S100A16 expression is especially high in tissues rich in epithelial cells. Functionally, S100A16 has been linked to several aspects of tumorigenesis, for example, cell proliferation, differentiation, migration, invasion, and epithelial-mesenchymal transition (EMT). Accordingly, S100A16 has been suggested to have both tumour-promoting and suppressive roles in human cancers. S100A16-mediated cellular functions are suggested to be mediated by the regulation of various signaling pathways/proteins including EMT-related proteins E-cadherin and Vimentin, PI3K-AKT, p53, MMP1-1, MMP-2, MMP-9, JNK/p38, etc. (PMID: 37509106).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

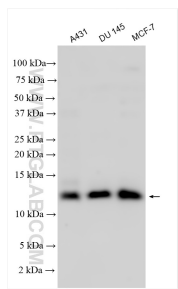
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

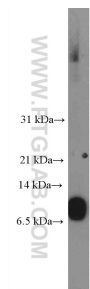
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

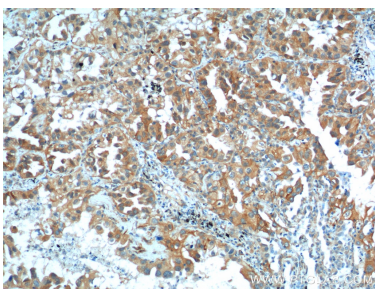
Selected Validation Data



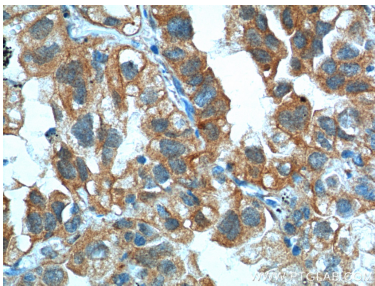
Various lysates were subjected to SDS PAGE followed by western blot with 11456-1-AP (S100A16 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 11456-1-PBS in a different storage buffer formulation.



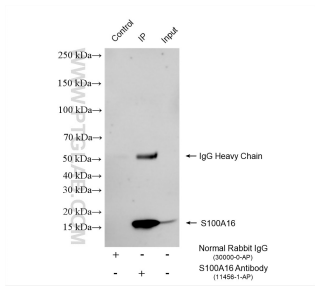
A431 cells were subjected to SDS PAGE followed by western blot with 11456-1-AP (S100A16 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 11456-1-PBS in a different storage buffer formulation.



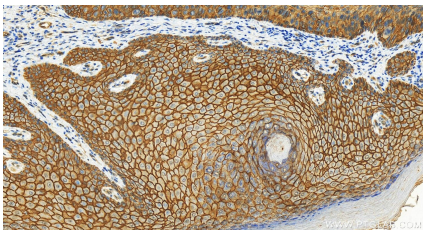
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11456-1-AP (S100A16 Antibody) at dilution of 1:200 (under 10x lens). This data was developed using the same antibody clone with 11456-1-PBS in a different storage buffer formulation.



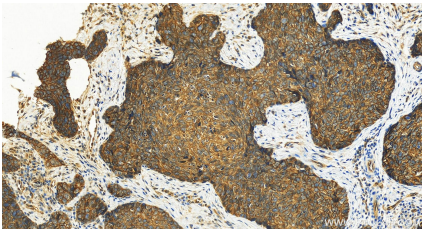
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11456-1-AP (S100A16 Antibody) at dilution of 1:200 (under 40x lens). This data was developed using the same antibody clone with 11456-1-PBS in a different storage buffer formulation.



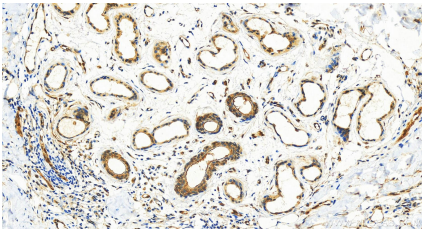
IP result of anti-S100A16 (IP:11456-1-AP, 4ug; Detection:11456-1-AP 1:2000) with mouse brain tissue lysate 1680 ug. This data was developed using the same antibody clone with 11456-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human bowen disease slide using 11456-1-AP (S100A16 antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 11456-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human bowen disease slide using 11456-1-AP (S100A16 antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 11456-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human bowen disease slide using 11456-1-AP (S100A16 antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 11456-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using S100A16 antibody (11456-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 11456-1-PBS in a different storage buffer formulation.