

For Research Use Only

S100A11 Monoclonal antibody

Catalog Number: 60024-1-Ig

Featured Product

6 Publications



Basic Information

Catalog Number:

60024-1-Ig

Size:

150ul, Concentration: 1600 ug/ml by
Nanodrop and 1000 ug/ml by Bradford
method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG0343

GenBank Accession Number:

BC001410

GeneID (NCBI):

6282

UNIPROT ID:

P31949

Full Name:

S100 calcium binding protein A11

Calculated MW:

105 aa, 12 kDa

Observed MW:

12 kDa

Purification Method:

Protein G purification

CloneNo.:

1A3F1

Recommended Dilutions:

WB 1:1000-1:3000

IHC 1:500-1:1000

IF/ICC 1:400-1:1600

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human

Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB : T-47D cells, A431 cells, BxPC-3 cells, DU 145 cells

IHC : human lung cancer tissue, human ovary tumor
tissue, human thyroid cancer tissue

IF/ICC : BxPC-3 cells,

Background Information

S100A11, also named as MLN 70, Calgizzarin and S100C, belongs to the S-100 family. It facilitates the differentiation and the cornification of keratinocytes. The naming of S100A11 systematically arises from its membership of the S100 protein family, named after their solubility in 100% saturated ammonium sulfate solution. First discovered in 1989, S100A11 has since been proposed to have direct biological functions in an assortment of physiological processes such as endo- and exocytosis, regulation of enzyme activity, cell growth and regulation, apoptosis and inflammation.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|------------------|-----------|---------------|-------------|
| Maria Fankhaenel | 36631478 | Nat Commun | IF |
| Chuangzhong Deng | 38341855 | Cell Rep | WB,IHC |
| Zhong Xian | 37062136 | Phytomedicine | WB |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

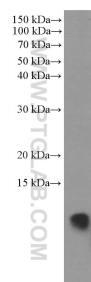
For technical support and original validation data for this product please contact:

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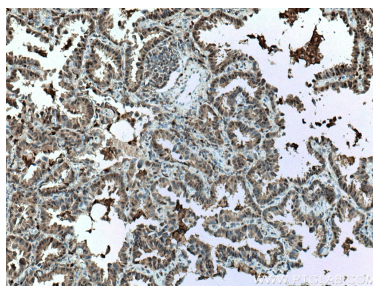
E: proteintech@ptglab.com
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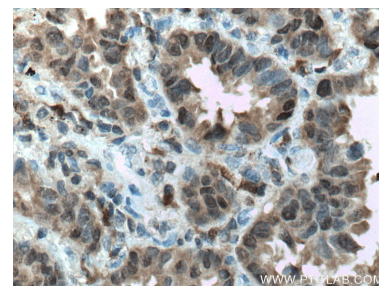
Selected Validation Data



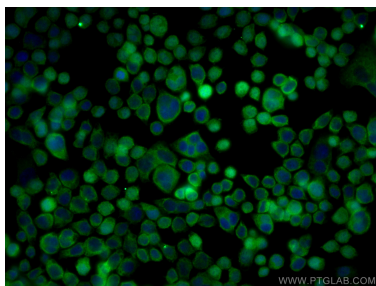
T-47D cells were subjected to SDS PAGE followed by western blot with 60024-1-Ig (S100A11 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 60024-1-Ig (S100A11 antibody) at dilution of 1:1000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 60024-1-Ig (S100A11 antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunofluorescent analysis of (4% PFA) fixed BxPC-3 cells using S100A11 antibody (60024-1-Ig, Clone: 1A3F1) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).