

For Research Use Only

S100A6 Monoclonal antibody

Catalog Number: 66098-1-Ig **1 Publications**



Basic Information

Catalog Number: 66098-1-Ig	GenBank Accession Number: BC001431	Purification Method: Protein A purification
Size: 800 ug/ml	GeneID (NCBI): 6277	CloneNo.: 3D11C8
Source: Mouse	UNIPROT ID: P06703	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 IF/ICC 1:200-1:800
Isotype: IgG1	Full Name: S100 calcium binding protein A6	
Immunogen Catalog Number: AG17606	Calculated MW: 10 kDa Observed MW: 10 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : HeLa cells, A549 cells
Cited Applications: WB	IHC : human colon cancer tissue, human liver cancer tissue, human pancreas cancer tissue
Species Specificity: human	IF/ICC : HepG2 cells,
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

S100A6 is also named as calcyclin, prolactin receptor-associated protein (PRA), growth factor-inducible protein 2A9 or MLN4. It belongs to S100 family of low molecular weight, acidic, calcium-binding proteins which contain two EF-hand calcium binding sites. S100A6 may function as a calcium sensor to activate several processes in the calcium signal transduction pathway of cell growth, proliferation, secretion and exocytosis. Although S100A6 is a cytoplasmic protein, it can be located in the nuclear and cytoplasmic membranes in the presence of Ca²⁺ (PMID: 37670392).

Notable Publications

Author	Pubmed ID	Journal	Application
Dongqiang Song	33335992	Open Med (Wars)	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

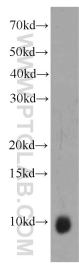
T: 4006900926

E: Proteintech-CN@ptglab.com

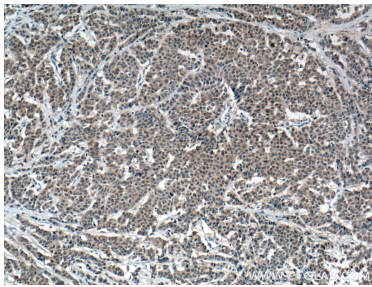
W: ptgcn.com

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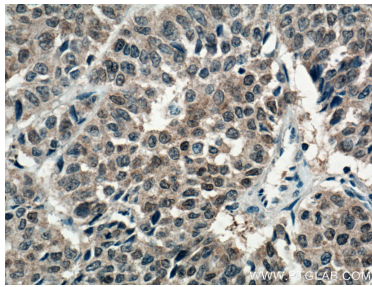
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 66098-1-Ig (S100A6 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



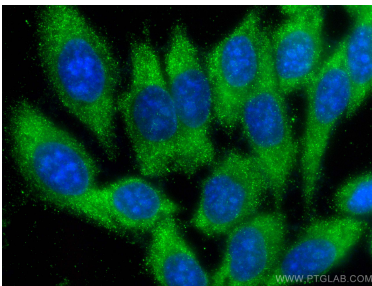
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66098-1-Ig (S100A6 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66098-1-Ig (S100A6 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 66098-1-Ig (S100A6 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using S100A6 antibody (66098-1-Ig, Clone: 3D11C8) at dilution of 1:400 and Coralite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).