

For Research Use Only

hIST1 Monoclonal antibody

Catalog Number: 66989-1-Ig **2 Publications**



Basic Information

Catalog Number: 66989-1-Ig	GenBank Accession Number: BC000430	Purification Method: Protein A purification
Size: 150ul , Concentration: 1800 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9798	CloneNo.: 1E12A7
Source: Mouse	UNIPROT ID: P53990	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:250-1:1000 IF/ICC 1:200-1:800
Isotype: IgG2a	Full Name: KIAA0174	
Immunogen Catalog Number: AG28364	Calculated MW: 40 kDa	
	Observed MW: 40 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : HeLa cells, HSC-T6 cells, NIH/3T3 cells, mouse liver tissue, HEK-293 cells, MCF-7 cells, Jurkat cells, A549 cells, HepG2 cells, PC-3 cells IHC : human lung cancer tissue, IF/ICC : HeLa cells,
Cited Applications: WB, IF, IHC, CoIP	
Species Specificity: Human, Mouse, Rat	
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

Human increased sodium tolerance-1 (hIST1), encoded by KIAA0174 gene, is a newly reported endosomal sorting complexes required for transport (ESCRT)-III family member.

Notable Publications

Author	Pubmed ID	Journal	Application
Pinki Gahlot	38503285	Mol Cell	WB,IF,CoIP
Femmy C Stempels	37200023	J Cell Biol	WB,IHC,IF

Storage

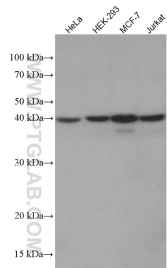
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

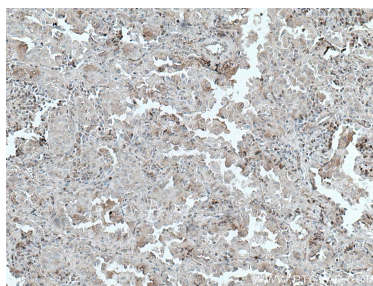
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

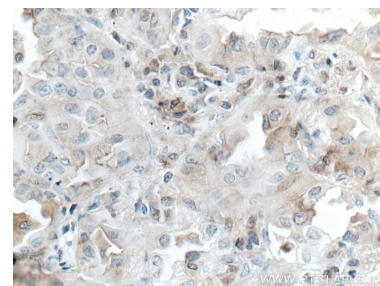
Selected Validation Data



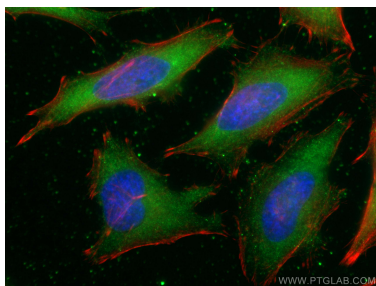
Various lysates were subjected to SDS PAGE followed by western blot with 66989-1-Ig (hI-ST1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66989-1-Ig (hI-ST1 antibody) at dilution of 1:500 (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 66989-1-Ig (hI-ST1 antibody) at dilution of 1:500 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using hI-ST1 antibody (66989-1-Ig, Clone: 1E12A7) at dilution of 1:400 and Coralite® 488-Conjugated Goat Anti-Mouse IgG(H+L), CL594-phalloidin (red).