

For Research Use Only

# hIST1 Monoclonal antibody

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



## Basic Information

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

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Cited Applications:

IF, IHC, WB

### 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**

### 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 :** HeLa cells,

## 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
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

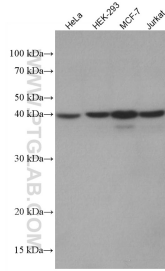
For technical support and original validation data for this product please contact:

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

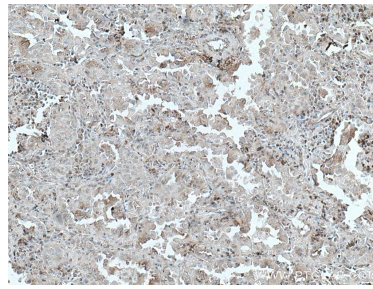
E: proteintech@ptglab.com  
W: ptglab.com

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

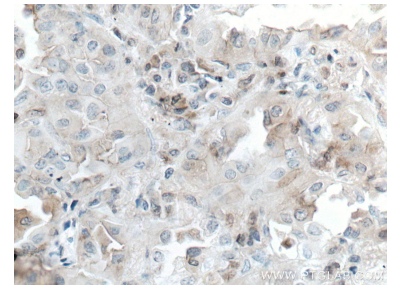
## Selected Validation Data



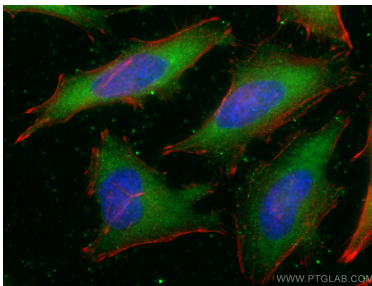
Various lysates were subjected to SDS PAGE followed by western blot with 66989-1-Ig (hI-ST1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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 CoralLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-phalloidin (red).