

For Research Use Only

hIST1 Polyclonal antibody

Catalog Number: 51002-1-AP

Featured Product

26 Publications



Basic Information

Catalog Number:

51002-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0721

GenBank Accession Number:

BC000430

GeneID (NCBI):

9798

UNIPROT ID:

P53990

Full Name:

KIAA0174

Calculated MW:

40 kDa

Observed MW:

40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF, CoIP

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB : A549 cells, HeLa cells, PC-3 cells

IHC : human lung cancer tissue,

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. IST1 possesses two different types of microtubule-interacting and transport (MIT)-interacting motifs (MIM1 and MIM2), this is required for its interaction with calpain 7 which is important for their roles in the ESCRT system.

Notable Publications

Author	Pubmed ID	Journal	Application
Shiwei Liu	30232450	Nature	IF
James W Connell	31587092	Cell Mol Life Sci	WB
Catherine Rodger	33186545	Am J Hum Genet	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

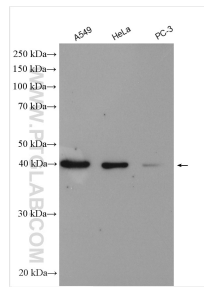
For technical support and original validation data for this product please contact:

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

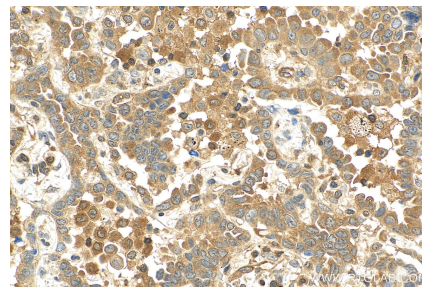
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 51002-1-AP (hIST1 antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 51002-1-AP (hIST1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).