

For Research Use Only

hIST1 Polyclonal antibody

Catalog Number: 51002-1-AP

Featured Product

22 Publications



Basic Information

Catalog Number: 51002-1-AP	GenBank Accession Number: BC000430	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 9798	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:50-1:500
Source: Rabbit	Full Name: KIAA0174	
Isotype: IgG	Calculated MW: 40 kDa	
Immunogen Catalog Number: AG0721	Observed MW: 40 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : A549 cells, HeLa cells, PC-3 cells IHC : human lung cancer tissue,
Cited Applications: IF, IHC, WB	
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

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

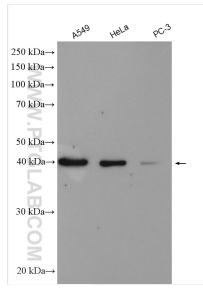
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

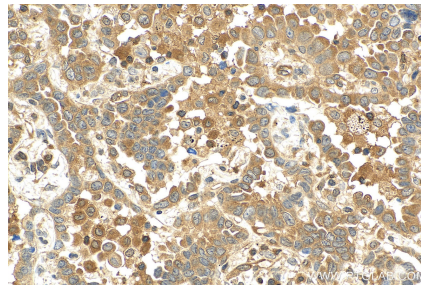
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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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).