

For Research Use Only

HAP1 Polyclonal antibody

Catalog Number: 25133-1-AP

4 Publications



Basic Information

Catalog Number: 25133-1-AP	GenBank Accession Number: BC156728	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 750 ug/ml by Nanodrop and 413 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9001	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200 IF/ICC 1:20-1:200
Source: Rabbit	UNIPROT ID: P54257	
Isotype: IgG	Full Name: huntingtin-associated protein 1	
Immunogen Catalog Number: AG17705	Calculated MW: 671 aa, 76 kDa	
	Observed MW: 75-80 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : fetal human brain tissue, IHC : mouse brain tissue, IF/ICC : SH-SY5Y cells,
Cited Applications: WB, IHC, IF	
Species Specificity: human, mouse	
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

HAP1 (Huntingtin-associated protein 1) was originally identified as neuronal protein that specifically associates with HTT/huntingtin and the binding is enhanced by an expanded polyglutamine repeat within HTT. HTT is expressed ubiquitously, while HAP1 is expressed predominantly in the central nervous system (CNS). Both HTT and HAP1 participate in intracellular trafficking. HAP1 is involved in the vesicular transport, gene transcription regulation, membrane receptor trafficking and other functions such as calcium release and protein aggregation (PMID: 19262167).

Notable Publications

Author	Pubmed ID	Journal	Application
Ye-Min Qu	36509909	Mol Biol Rep	IHC,WB
Baoyu Shen	39800156	Toxicology	WB,IF
Kazuma Yoshioka	39482856	FEBS Open Bio	WB

Storage

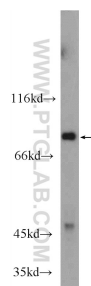
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

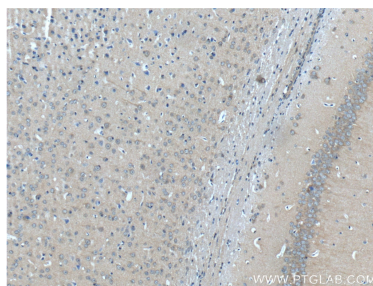
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

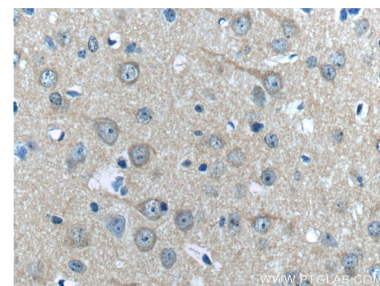
Selected Validation Data



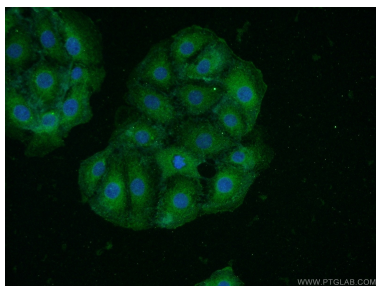
fetal human brain tissue were subjected to SDS PAGE followed by western blot with 25133-1-AP (HAP1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 25133-1-AP (HAP1 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 25133-1-AP (HAP1 Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of SH-SY5Y cells using 25133-1-AP (HAP1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).