

For Research Use Only

# HAP1 Polyclonal antibody

Catalog Number: 25133-1-AP

4 Publications



## Basic Information

Catalog Number:

25133-1-AP

Concentration:

750 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG17705

GenBank Accession Number:

BC156728

GeneID (NCBI):

9001

UNIPROT ID:

P54257

Full Name:

huntingtin-associated protein 1

Calculated MW:

671 aa, 76 kDa

Observed MW:

75-80 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

IF/ICC 1:20-1:200

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

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**

Positive Controls:

WB : fetal human brain tissue,

IHC : mouse brain tissue,

IF/ICC : SH-SY5Y cells,

## 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

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

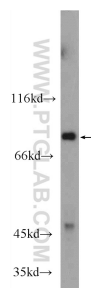
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

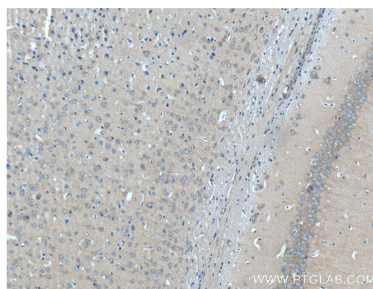
W: [ptgcn.com](http://ptgcn.com)

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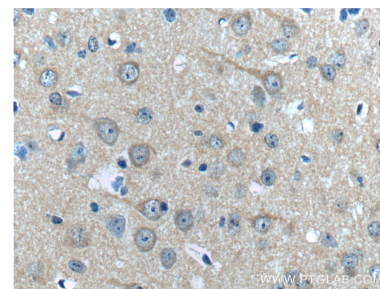
## Selected Validation Data



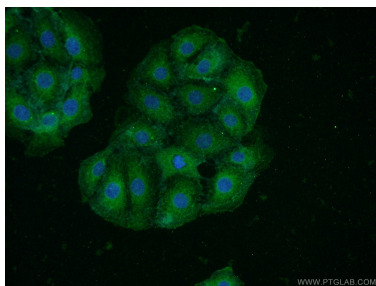
fetal human brain tissue were subjected to SDS PAGE followed by western blot with 25133-1-AP (HAP1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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).