

For Research Use Only

HAP1 Polyclonal antibody

Catalog Number: 25133-1-AP **2 Publications**



Basic Information

| | | |
|---|--|---|
| Catalog Number: 25133-1-AP | GenBank Accession Number: BC156728 | Purification Method: Antigen affinity purification |
| Size: 750 µg/ml | 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: IF/ICC, IHC, WB, ELISA | Positive Controls: WB : fetal human brain tissue, IHC : mouse brain tissue, IF/ICC : SH-SY5Y cells, |
| Cited Applications: WB, IHC | |
| 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 |
| Yesheng Fu | 38582895 | Nat Commun | WB |

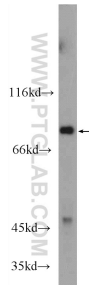
Storage

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

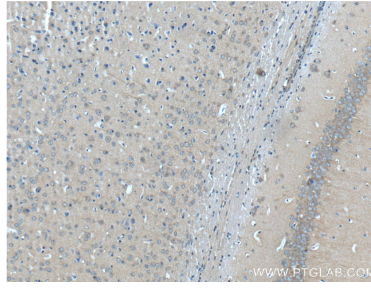
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

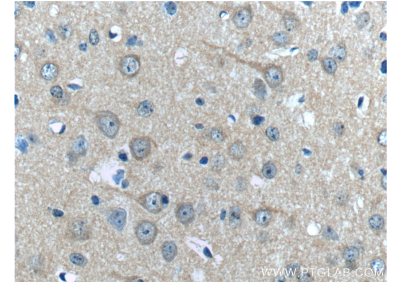
Selected Validation Data



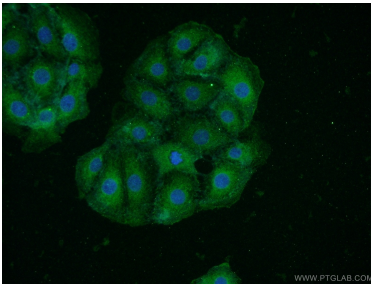
fetal human brain tissue were subjected to SDS PAGE followed by western blot with 25133-1-AP (HAP1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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 AffiniPure Goat Anti-Rabbit IgG(H+L).