

For Research Use Only

# Huntingtin Polyclonal antibody

Catalog Number:19957-1-AP



## Basic Information

### Catalog Number:

19957-1-AP

### Size:

150ul , Concentration: 267 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_002111

### GeneID (NCBI):

3064

### UNIPROT ID:

P42858

### Full Name:

huntingtin

### Calculated MW:

348 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

IHC 1:50-1:500

IF-P 1:50-1:500

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

IHC, IF/ICC, IF-P, ELISA

### Species Specificity:

human, mouse, rat

**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:

IHC : mouse brain tissue,

IF-P : rat cerebellum tissue,

IF/ICC : HEK-293 cells, SH-SY5Y cells

## Background Information

HTT, also named as HD and IT15, belongs to the huntingtin family. HTT may play a role in microtubule-mediated transport or vesicle function. Defects in HTT are the cause of Huntington disease (HD) which is an autosomal dominant neurodegenerative disorder characterized by involuntary movements (chorea), general motor impairment, psychiatric disorders and dementia. The antibody recognizes the C-term of HTT.

## 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

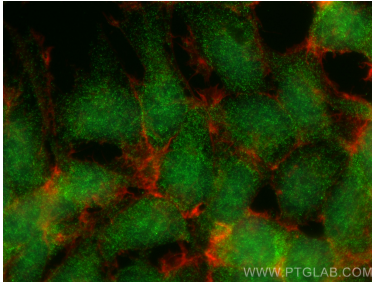
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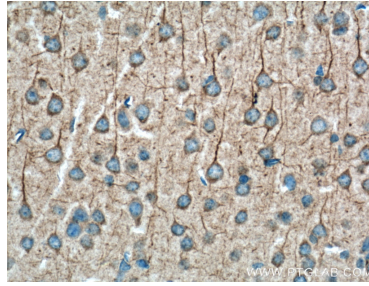
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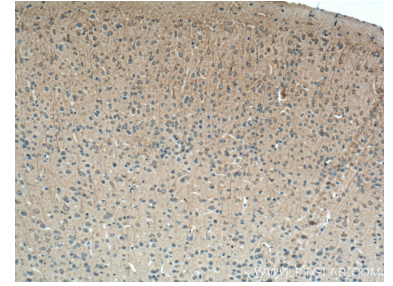
## Selected Validation Data



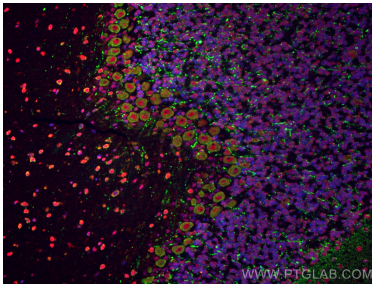
Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using Huntingtin antibody (19957-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 19957-1-AP (Huntingtin Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 19957-1-AP (Huntingtin Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat cerebellum tissue using Huntingtin antibody (19957-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), FUS/TLS antibody (68262-1-Ig, Clone: 1B4F8, red). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).