

Product datasheet for **TA306425**

Huntingtin Associated Protein 1 (HAP1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 0.5 - 1 ug/mL, ICC: 2.5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	HAP1 antibody was raised against a 19 amino acid peptide from near the center of human HAP1.
Formulation:	PBS containing 0.02% sodium azide.
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	huntingtin-associated protein 1
Database Link:	NP_001073339 Entrez Gene 15114 Mouse Entrez Gene 29430 Rat Entrez Gene 9001 Human P54257

Background: Huntington's disease (HD), a neurodegenerative disorder characterized by loss of striatal neurons, is caused by an expansion of a polyglutamine tract in the HD protein huntingtin. HAP1 was initially identified through a two-hybrid library screening; the binding of HAP1 to huntingtin correlated with the expansion of the polyglutamine tract. HAP1 also interacts with two cytoskeletal proteins (dynactin and pericentriolar autoantigen protein 1), suggesting that HAP1 may play a role in vesicular trafficking or organelle transport. HAP1 is also involved with the huntingtin-enhanced BDNF transport along the cellular microtubules. Attenuation of this process led to the loss of neurotrophic support and neuronal toxicity, which suggests that loss of this function might contribute to pathogenesis. Several alternatively spliced isoforms have been described for HAP1.

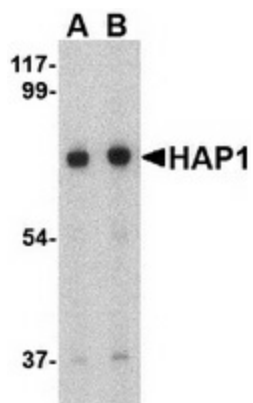


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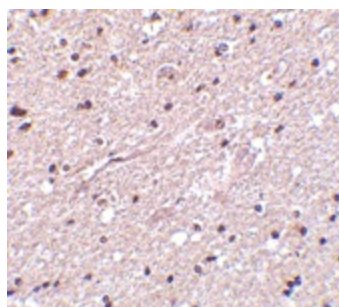
Synonyms: HAP2; hHLP1; HIP5; HLP

Protein Pathways: Huntington's disease

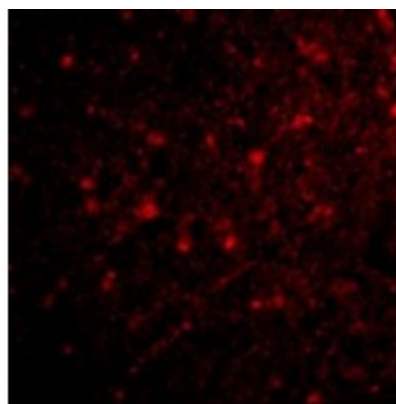
Product images:



Western blot analysis of HAP1 in mouse brain tissue lysate with HAP1 antibody at (A) 0.5 and (B) 1 ug/ml.



Immunohistochemistry of HAP1 in human brain tissue with HAP1 antibody at 2.5 ug/ml.



Immunofluorescence of HAP1 in Human Brain cells with HAP1 antibody at 20 ug/mL.