

Datasheet for ABIN499942
anti-HAP1 antibody (Center)[Go to Product page](#)

2 Images

Overview

Quantity:	0.1 mg
Target:	HAP1
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	HAP1 antibody was raised against a 19 amino acid peptide from near the center of human HAP1.
Isotype:	IgG
Specificity:	This antibody reacts to HAP1.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	HAP1
Alternative Name:	HAP1 (HAP1 Products)
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

Target Details

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. Synonyms: HAP-1, HAP2, HLP1, Huntingtin-associated protein 1, Neuroan 1

Gene ID: 9001

UniProt: [P54257](#)

Pathways: [Cell Redox Homeostasis](#), [Smooth Muscle Cell Migration](#), [Positive Regulation of Response to DNA Damage Stimulus](#)

Application Details

Application Notes: ELISA. Western Blot: 0.5 - 1 µg/mL. Immunohistochemistry.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

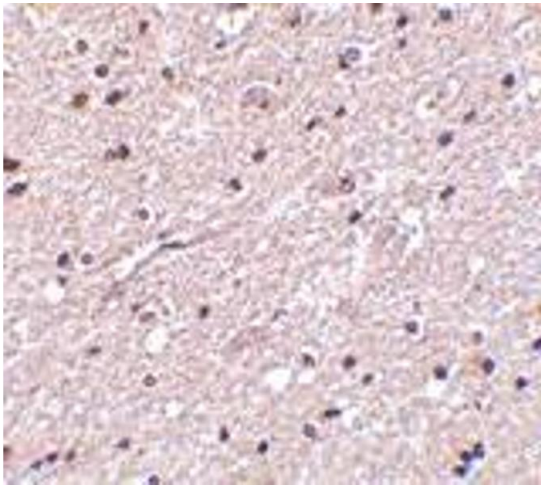
Buffer: PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

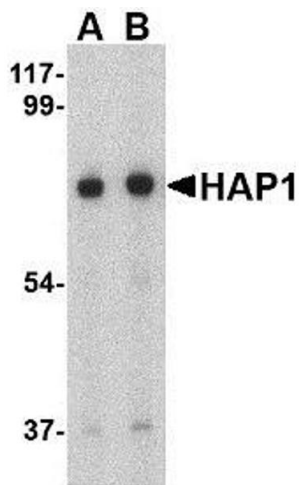
Storage: 4 °C

Storage Comment: Store the antibody undiluted at 2-8 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of HAP1 in human brain tissue with HAP1 antibody at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of HAP1 in mouse brain tissue lysate with AP30391PU-N HAP1 antibody at (A) 0.5 and (B) 1 µg/ml.