

Product datasheet for **AP23773PU-N**

Hap1 (C-term) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Peptide ELISA: Detection Limit: 1/32000. Western blot: 0.1-0.3µg/ml. Approx 100kDa band observed in Mouse and Rat lysates (calculated MW of 66.8kDa according to NP_034534.1).
Reactivity:	Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the C Terminus of the protein sequence according to NP_034534.1.
Specificity:	Recognizes Mouse Hap1
Formulation:	Tris saline, pH 7.3 containing 0.02% Sodium Azide as preservative and 0.5% BSA as stabilizer. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by antigen Affinity Chromatography using the immunizing peptide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	huntingtin-associated protein 1
Database Link:	Entrez Gene 15114 Mouse O35668



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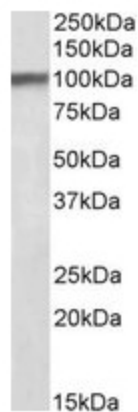
Background:

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. It is a progressive disorder that generally begins in middle age with abnormalities of movement, cognition, personality and mood.

HAP-1 is highly expressed in brain and shown to mediate the neuropathology of HD. The human protein interacts with huntingtin, with two cytoskeletal proteins (dynactin and pericentriolar autoantigen protein 1), and with a hepatocyte growth factor-regulated tyrosine kinase substrate. The interactions with cytoskeletal proteins and a kinase substrate suggest a role for this protein in vesicular trafficking or organelle transport. Two transcripts encoding different isoforms have been identified but one is a nonsense-mediated decay (NMD) candidate.

Synonyms:

Huntingtin-associated protein 1, HAP-1, HAP2, HLP1, Neuroan 1

Product images:

HAP-1 antibody staining of Mouse Brain lysate at 0.1 ug/ml (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.