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Rabbit Anti-HAP1 antibody

SL20303R

Product Name:	HAP1
Chinese Name:	舞蹈症相关蛋白1抗体
Alias:	Huntingtin Associated Protein 1; HAP 1; HAP 2; HAP-1; Hap1; HAP1_HUMAN; HAP2; HAPP; hHAP1; hHLP1; HIP 5; HIP5; HLP; HLP1; Huntingtin-associated protein 1; huntingtin-associated protein 2; Neuroan 1; Neuroan1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	75kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human HAP1:551-650/671
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Huntingtin-associated protein 1 binds to Huntingtin. Huntingtin is a protein that contains a polyglutamine region and when the number of glutamine repeats exceeds 35, the gene encodes a version of Huntingtin that leads to Huntington's disease (HD). The ability of HAP1 to bind to Huntingtin is enhanced by an expanded polyglutamine repeat region. HAP1 shows neuronal localization and moves with Huntingtin in nerve fibers. HAP1 is

primarily expressed in brain tissue, with greater expression in the olfactory bulb and brain stem. HAP1 in rat has been shown to associate with a number of intracellular organelles. Mouse HAP1 is localized to membrane-bound organelles including large endosomes, tubulovesicular structures and budding vesicles in neurons.

Function:
Associates specifically with huntingtin. This binding is enhanced by an expanded polyglutamine repeat.

Tissue Specificity:
Predominantly expressed in brain. Selectively expressed in neurons.

Similarity:
Contains 1 HAP1 N-terminal domain.

SWISS:
P54257

Gene ID:
9001

Database links:

Entrez Gene: 9001Human

Entrez Gene: 15114Mouse

Entrez Gene: 29430Rat

Omim: 600947Human

SwissProt: P54257Human

SwissProt: O35668Mouse

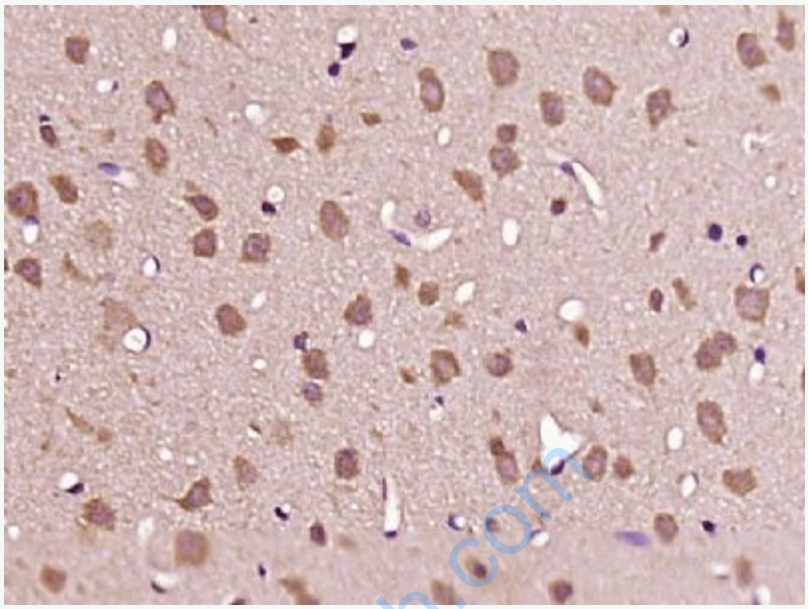
SwissProt: P54256Rat

Unigene: 158300Human

Unigene: 281700Mouse

Unigene: 37430Rat

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:	 Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (HAP1) Polyclonal Antibody, Unconjugated (SL20303R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.