

Rabbit Anti-HAP1/Cy5.5 Conjugated antibody

SL20303R-Cy5.5

Product Name	Anti-HAP1/Cy5.5
Chinese Name	Cy5.5 标记的舞蹈症相关蛋白 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.
Research Area	Cell biology Neurobiology Signal transduction
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Rat(predicted:Human,Mouse,Rabbit) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	75kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human HAP1
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: 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.

Database links:

[Entrez Gene: 9001](#) Human

[Entrez Gene: 15114](#) Mouse

[Entrez Gene: 29430](#) Rat

[Omim: 600947](#) Human

[SwissProt: P54257](#) Human

[SwissProt: O35668](#) Mouse

[SwissProt: P54256](#) Rat

[Unigene: 158300](#) Human

[Unigene: 281700](#) Mouse

[Unigene: 37430](#) Rat

Important Note:

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