

# Product Datasheet

## **HAP1 Antibody** **NB110-74569SS**

Unit Size: 0.025 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 6/15/2014 v.20.1

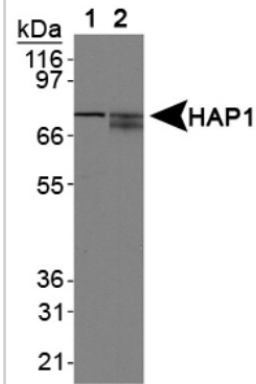
**NB110-74569SS****HAP1 Antibody (1B6)**

<b>Product Information</b>	
<b>Unit Size</b>	0.025 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	1B6
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS, 50% glycerol
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	9001
<b>Gene Symbol</b>	HAP1
<b>Species</b>	Human, Mouse, Rat
<b>Species Reactivity</b>	Human, mouse and rat.
<b>Specificity/Sensitivity</b>	This is specific for isoforms A and B.
<b>Immunogen</b>	Fusion protein from rat HAP1. [UniProt# P54256]
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Flow Cytometry 1 ug per million cells, Immunocytochemistry/Immunofluorescence, Immunohistochemistry 0.5-1.0 ug/ml, Immunohistochemistry-Frozen 0.5-1.0 ug/ml, Immunohistochemistry-Paraffin 0.5-1.0 ug/ml, Immunoprecipitation 1:10-1:500, Western Blot 0.5-1.0 ug/ml
<b>Application Notes</b>	This HAP1 antibody is useful for Immunohistochemistry frozen and paraffin embedded sections, Western blot, Flow Cytometry and Immunoprecipitation. In Western blot bands can be seen ~95 kDa for isoform A and ~110 kDa for isoform B. Immunocytochemistry/Immunofluorescence was reported in scientific literature.

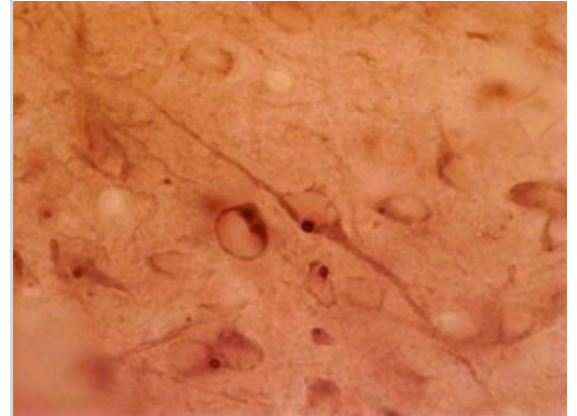


## Images

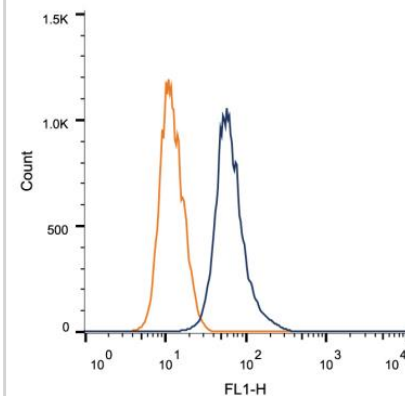
Western Blot: HAP1 Antibody (1B6) [NB110-74569] - Analysis of HAP1 using Lane 1: mouse brain lysate and Lane 2: human brain lysate.



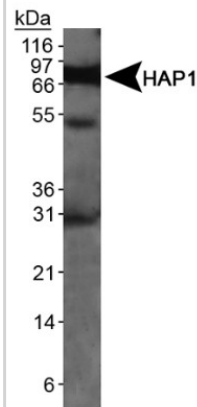
Immunohistochemistry: HAP1 Antibody (1B6) [NB110-74569] - Staining of rat hypothalamus.



Flow Cytometry: HAP1 Antibody (1B6) [NB110-74569] - Intracellular flow cytometric staining of  $1 \times 10^6$  MCF-7 cells using HAP1 antibody (dark blue). Isotype control shown in orange. An antibody concentration of 1  $\mu\text{g}/1 \times 10^6$  cells was used.



Western Blot: HAP1 Antibody (1B6) [NB110-74569] - Detection of HAP1 in mouse brain lysate.



## Publications

Corradini E, Vallur R, Raaijmakers LM et al. Alterations in the cerebellar (phospho)proteome of a cGMP-dependent protein kinase knockout mouse. *Mol. Cell Proteomics*. 2014 Jun 12 [PMID: 24925903] (WB, Mouse)

### Details:

6 week-old female WT and cGKI-KO mice (carrying a null mutation of the *prkg1* gene, also termed cGKIL-/L- mice ) on a 129/Sv background were sacrificed and cerebella were kept frozen until testing. The tissues were lysed by sonication in lysis buffer and processed for WB using mouse anti-Huntingtin associated protein 1 (HAP1, Novus biological, 1:5000). HAP1 showed an increased expression in the cerebellum of cGKI-KO mice.

Gutekunst, C et al. Stigmoid bodies contain type I receptor proteins SorLA/LR11 and sortilin: new perspectives on their function. *J Histochem Cytochem*;51(6):841-52. 2003 Jun. [PMID: 12754295] (WB, ICC/IF, Mouse, Rat)

Tang TS, Tu H, Chan EY, Maximov A, Wang Z, Wellington CL, Hayden MR, Bezprozvanny I. Huntingtin and huntingtin-associated protein 1 influence neuronal calcium signaling mediated by inositol-(1,4,5) triphosphate receptor type 1. *Neuron*;39(2):227-39. 2003 Jul 17. [PMID: 12873381] (IP, Mouse, Rat)

Torre ER, Coleman S, Yi H, Gutekunst CA. A protocol for isolation and biochemical characterization of stigmoid bodies from rat brain. *J Neurosci Methods*;125(1-2):27-32. 2003 May 30. [PMID: 12763227] (WB, Rat)

Chan, E et al. Targeted disruption of Huntingtin-associated protein-1 (Hap1) results in postnatal death due to depressed feeding behavior. *Hum Mol Genet*;11(8):945-59. 2002 Apr 15. [PMID: 11971876] (WB, Mouse)





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

**For more information on our guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee).**

