BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-HAP1 Antibody

Catalog Number: A01658

About HAP1

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 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 microtubles. 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.

Submit a product review to Biocompare.com



Submit a review of this product to Biocompare.com to receive a $20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.

Overview

Product Name	Anti-HAP1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-HAP1 Antibody (Catalog # A01658). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	HAP1 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	HAP1 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P54257

Technical Details

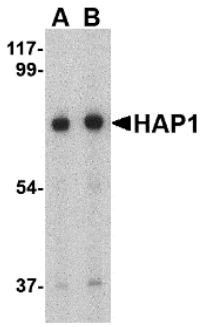
Immunogen	HAP1 antibody was raised against a 19 amino acid synthetic peptide from near the center of human HAP1. The immunogen is located within amino acids 310 - 360 of HAP1.

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

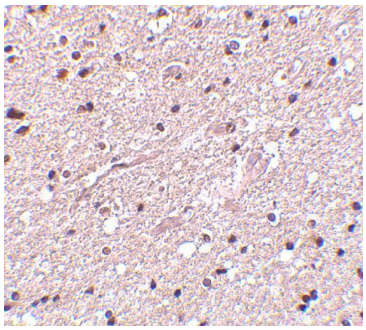
Predicted Reactive Species	Bovine, Rat
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	HAP1 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	HAP1 antibody can be used for detection of HAP1 by Western blot at 0.5 - 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

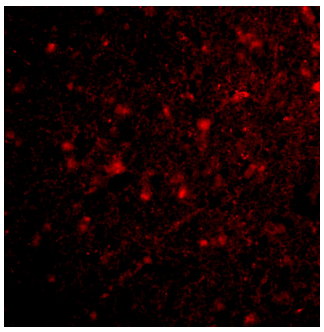
Anti-HAP1 Antibody (A01658) Images



Western blot analysis of HAP1 in mouse brain tissue lysate with HAP1 antibody at (A) 0.5 and (B) 1 ug/mL.



Immunohistochemistry of HAP1 in human brain tissue with HAP1 antibody at 2.5 ug/mL.



Immunofluorescence of HAP1 in Human Brain cells with HAP1 antibody at 20 ug/mL.

Anti-HAP1 Antibody

For Research Use Only. Not for use in diagnostic procedures.