BOSTER
antibody and ELISA experts

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

Anti-IPR1 SP110 Antibody

Catalog Number: A03354

About SP110

Susceptibility to tuberculosis (TB) in mice has recently been attributed to the IPR1 gene. IPR1 is a member of the SP100/SP140 family of nuclear body proteins and encodes a leukocyte-specific nuclear body component. The protein can function as an activator of gene transcription and may serve as a nuclear hormone receptor coactivator. Alternative splicing has been observed for this gene and three transcript variants, encoding distinct isoforms, have been identified. SP110 is the closest homolog of the IPR1 protein in humans. The IPR1/Sp110 gene product might play a role in integrating signals generated by intracellular pathogens with mechanisms controlling innate immunity, cell death, and pathogenesis. IPR1/Sp110 is up-regulated after infection with M. tuberculosis and required by Anaplasma phagocytophilum for infection of human promyelocytic cells. Defects in Sp110 are a cause of severely impaired resistance to infection by M. tuberculosis.

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-IPR1 SP110 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-IPR1 SP110 Antibody (Catalog # A03354). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	IPR1 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	IPR1 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	Q9HB58

Technical Details

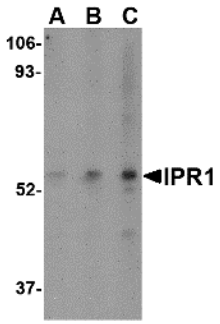
Immunogen	IPR1 antibody was raised against a 15 amino acid synthetic peptide near the carboxy terminus of the human IPR1. The immunogen is located within amino acids 470 - 520 of IPR1.

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

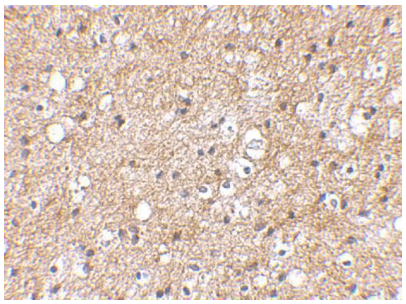
Predicted Reactive Species	Bovine
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	IPR1 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	Ipr1 antibody can be used for detection of Ipr1 by Western blot at 0.5 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human 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

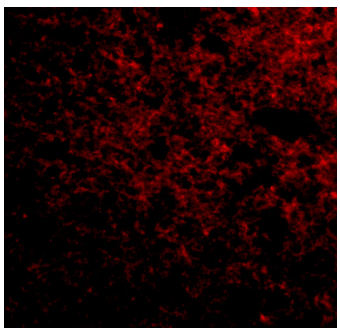
Anti-IPR1 SP110 Antibody (A03354) Images



Western blot analysis of IPR1 in Hela cell lysate with IPR1 antibody at (A) 0.5, (B) 1, and (C) 2 ug/mL.



Immunohistochemical staining of human brain tissue using IPR1 antibody at 2.5 ug/mL.



Immunofluorescence of IPR1 in Human Brain cells with IPR1 antibody at 50 ug/mL.

Anti-IPR1 SP110 Antibody

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