Datasheet for ABIN783558

anti-SP110 antibody (C-Term)

2 Images

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Overview

Quantity:	0.1 mg
Target:	SP110
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SP110 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	15 amino acid peptide near the carboxy terminus of the human IPR1
Specificity:	This antibody detects SP110 at C-term.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	SP110
Alternative Name:	SP110 (SP110 Products)
Background:	Susceptibility to tuberculosis (TB) in mice has recently been attributed to the IPR1 gene. IPR1 is

Target Details

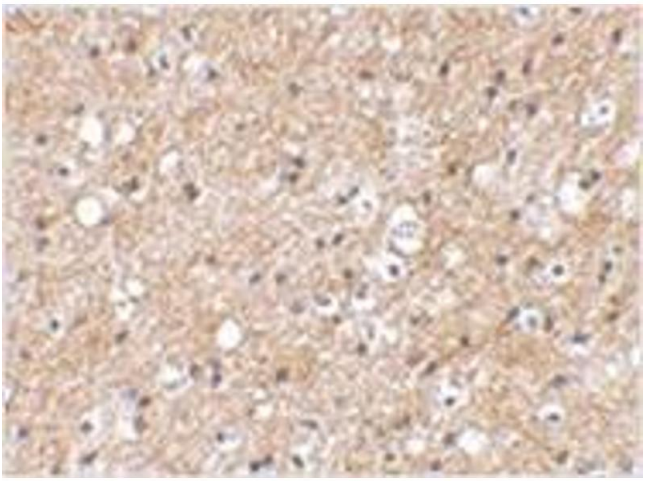
	a member of the SP100/SP140 family of nuclear body proteins and encodes a leukocyte-specific nuclear body component. The protein can function as an activator of gene transcription and may serve as a nuclear hormone receptor coactivator. Alternative splicing has been observed for this gene and three transcript 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.Synonyms: FLJ22835, IPR1, SP-110, SP110 nuclear body protein, Speckled 110 kD, VODI
Gene ID:	3431
NCBI Accession:	NP_001171944
UniProt:	Q9HB58

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

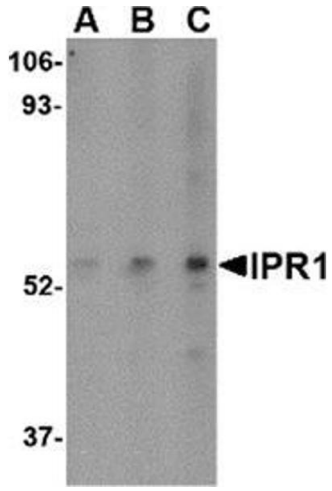
Handling

Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to three months or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical staining of human brain tissue using IPR1 antibody at 2.5 µg/ml.



Western Blotting

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