

[Go to Product page](#)

## Datasheet for ABIN6990830 **anti-SP110 antibody (C-Term)**

### Overview

Quantity:	0.1 mg
Target:	SP110
Binding Specificity:	AA 470-520, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SP110 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

### Product 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.
Isotype:	IgG
Purification:	IPR1 Antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	SP110
Alternative Name:	IPR1 ( <a href="#">SP110 Products</a> )
Background:	IPR1 Antibody: 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

## Target Details

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*.

Gene ID: 3431

NCBI Accession: [NP\\_004501](#)

UniProt: [Q9HB58](#)

## Application Details

Application Notes: lpr1 antibody can be used for detection of lpr1 by Western blot at 0.5 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/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.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: IPR1 Antibody is supplied in 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.

Storage: -20 °C, 4 °C

Storage Comment: IPR1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As

with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.