

Anti-IRAK1BP1 antibody

Cat. No.	ml220883
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-IRAK1BP1 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Fusion protein of human IRAK1BP1
Reactivity	Human, Mouse
Content	0.3 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	IRAK1BP1
Full name	interleukin-1 receptor-associated kinase 1 binding protein 1

Synonyms AIP70; SIMPL

Swissprot Q5VVH5

Target Background

SIMPL, also known as IRAK1BP1 (interleukin-1 receptor-associated kinase 1-binding protein 1), is a 260 amino acid protein belonging to the IRAK1BP1 family. In addition to containing an intrinsically disordered region which associates with HSPA1 and HSPA8, SIMPL also interacts directly with IRAK1 and promotes RELA transcriptional activity. SIMPL is a major component of the IRAK1-dependent TNFRSF1A signaling pathway in which TNF-alpha induces NF-kappa-B gene transcription, leading to an inhibition of proinflammatory cytokines. Inactivation of SIMPL inhibits tumor necrosis factor receptor type I-induced NF-kappaB activity. Localizing to the nucleus and cytoplasm, SIMPL requires the phosphorylation of Ser-56 and/or Ser-62 to be fully active.

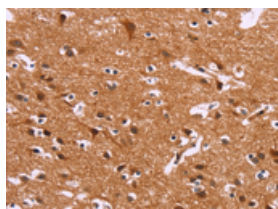
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human brain

Recommended dilution: 50-200

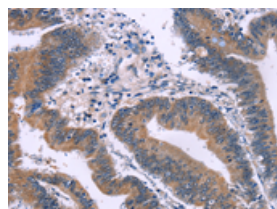


The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using ml220883(IRAK1BP1 Antibody) at dilution 1/30, on the right is treated with fusion protein. (Original magnification: ×200)

Predicted cell location: Cytoplasm

Positive control: Human colon cancer

Recommended dilution: 50-200



The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using ml220883(IRAK1BP1 Antibody) at dilution 1/30, on the right is treated with fusion protein. (Original magnification: ×200)

Western blotting

Predicted band size: 29 kDa

Positive control: Human testis tissue

Recommended dilution: 200-1000

Gel: 10%SDS-PAGE

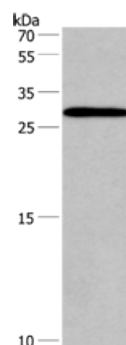
Lysate: 40 μ g

Lane: Human testis tissue

Primary antibody: ml220883(IRAK1BP1 Antibody) at dilution 1/350

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 3 minutes



ELISA

Recommended dilution: 1000-2000

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