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Datasheet for ABIN7138584
anti-IRAK1 antibody (pSer376)

1 Image

Overview

Quantity:	100 µL
Target:	IRAK1
Binding Specificity:	pSer376
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IRAK1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of Serine 376(Q-S-S(p)-M-V) derived from Human IRAK1.
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using

Target Details

Target:	IRAK1
Alternative Name:	IRAK1 (IRAK1 Products)

Target Details

Background:

Background:

IRAK1 encodes the interleukin-1 receptor-associated kinase 1, one of two putative serine/threonine kinases that become associated with the interleukin-1 receptor (IL1R) upon stimulation. IRAK1 is partially responsible for IL1-induced upregulation of the transcription factor NF-kappa B.

Cao Z., Science 271:1128-1131(1996).

Reichwald K., Mamm. Genome 11:182-190(2000).

Jensen L.E., J. Biol. Chem. 276:29037-29044(2001).

Aliases: AA48924 antibody, Il1rak antibody, Interleukin 1 receptor associated kinase 1 antibody, Interleukin-1 receptor-associated kinase 1 antibody, IRAK antibody, IRAK-1 antibody, Irak1 antibody, IRAK1-S antibody, IRAK1_HUMAN antibody, mPLK antibody, OTTHUMP00000026014 antibody, OTTHUMP00000026015 antibody, OTTHUMP00000026020 antibody, OTTHUMP00000180621 antibody, Pelle antibody, Pelle homolog antibody, Pelle-like protein kinase antibody, Plpk antibody

UniProt:

[P51617](#)

Pathways:

[NF-kappaB Signaling](#), [TLR Signaling](#), [Neurotrophin Signaling Pathway](#), [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes:

IHC:1:50-1:100,

Restrictions:

For Research Use only

Handling

Format:

Liquid

Buffer:

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative:

Sodium azide

Precaution of Use:

This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

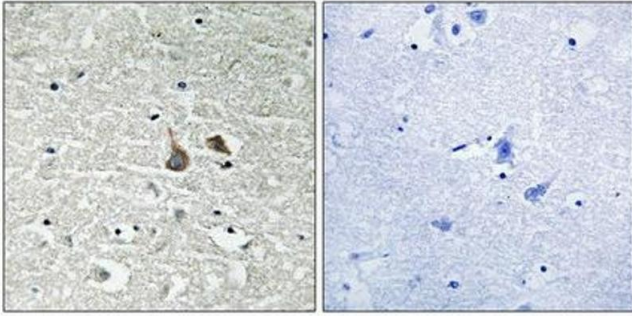
Storage:

-20 °C,-80 °C

Handling

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human brain tissue using IRAK1 (Phospho-Ser376) antibody (left) or the same antibody preincubated with blocking peptide (right).