

Datasheet for ABIN500038  
**anti-IRAK2 antibody (C-Term)**



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2 Images

## Overview

Quantity:	0.1 mg
Target:	IRAK2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IRAK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	Human IRAK2 (C-Terminus) Peptide
Isotype:	IgG
Specificity:	IRAK2 antibody was raised against a peptide corresponding to 17 amino acids near the carboxy-terminus of mouse IRAK2a which is common to all four isoforms. mIRAK2 antibody will also recognize human IRAK2. Anti-IRAK2 has no cross response to IRAK. Anti-IRAK2 will also recognize human IRAK2.
Purification:	Affinity chromatography purified via peptide column

## Target Details

Target:	IRAK2
Alternative Name:	IRAK2 ( <a href="#">IRAK2 Products</a> )

## Target Details

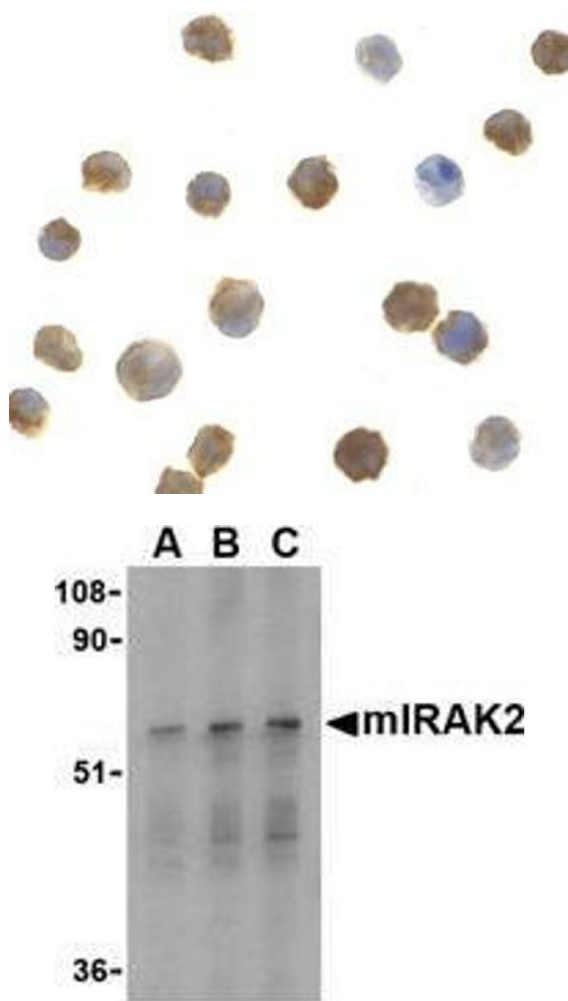
Background:	The pro-inflammatory cytokine IL-1 induces cellular response through two subunits of its receptor, IL-1 receptor I (IL-1RI) and IL-1 receptor accessory protein (IL-1RAcP). IL-1 receptor-associated kinase (IRAK) mediates activation of NF-kappaB, which is a pivotal transcription factor mediating inflammatory and immune response. A novel member in the IRAK/Pelle family has been identified and designated IRAK2 (1). Both IRAK and IRAK2 recruit to the subunits of the IL-1R complex after IL-1 binding and lead to NF-kappaB activation. IRAKs also associate with Toll like receptor (TLR) and the dominant negative mutants of IRAKs inhibit LPS-induced NF-?B activation (2,3). Members in IRAK/Pelle family play a central role in IL-1R and TLR mediated inflammatory response. Unlike human IRAK2, murine IRAK2 exists as four alternately spliced isoforms (IRAK2a-d), with two isoforms (IRAK2c and d) acting in an inhibitory fashion (4). IRAK2 is expressed in a variety of tissues.Synonyms: IRAK-2, Interleukin-1 receptor-associated kinase-like 2
Gene ID:	108960
UniProt:	<a href="#">Q8CFA1</a>
Pathways:	<a href="#">TLR Signaling</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Toll-Like Receptors Cascades</a>

## Application Details

Application Notes:	ELISA. Western Blot: 0.5 - 1 µg/mL. A 65 kDa band should be detected. Immunocytochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
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.
Storage:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C.



Immunofluorescence

**Image 1.** Immunocytochemistry of IRAK2 in A-20 cells with AP30439PU-N IRAK2 antibody at 1 µg/ml.

Western Blotting

**Image 2.** Western blot analysis of IRAK2 in RAW264.7 whole cell lysate with AP30439PU-N mIRAK2 antibody at (A) 0.5, (B) 1, and (C) 2 µg/ml.