

Datasheet for ABIN3031496  
**anti-IRAK3 antibody (AA 45-77)**



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2 Images

## Overview

Quantity:	0.4 mL
Target:	IRAK3
Binding Specificity:	AA 45-77
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IRAK3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	A portion of amino acids 45-77 from the human protein was used as the immunogen for this IRAK3 antibody.
Isotype:	Ig Fraction
Purification:	Purified

## Target Details

Target:	IRAK3
Alternative Name:	IRAK3 ( <a href="#">IRAK3 Products</a> )
Background:	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the $\gamma$ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells,

## Target Details

regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The tyrosine-like kinase (TLK) group consists of 40 tyrosine and serine-threonine kinases such as MLK (mixed-lineage kinase), LISK (LIMK/TESK), IRAK (interleukin-1 receptor-associated kinase), Raf, RIPK (receptor-interacting protein kinase), and STRK (activin and TGF-beta receptors) families.

UniProt:	<a href="#">Q9Y616</a>
Pathways:	<a href="#">TLR Signaling</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Toll-Like Receptors Cascades</a>

## Application Details

Application Notes:	Titration of the IRAK3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000
Restrictions:	For Research Use only

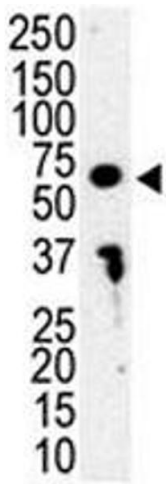
## Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % 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
Storage Comment:	Aliquot the IRAK3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

**Image 1.** Western blot analysis of IRAK3 antibody and HL-60 cell lysate.



Western Blotting

**Image 2.** Western blot analysis of IRAK3 antibody and HL-60 cell lysate.