

## Product datasheet

### Anti-IRAK2 antibody ab62419

★★★★★ [3 Abreviews](#) [12 References](#) [4 Images](#)

#### Overview

<b>Product name</b>	Anti-IRAK2 antibody
<b>Description</b>	Rabbit polyclonal to IRAK2
<b>Host species</b>	Rabbit
<b>Specificity</b>	This antibody reacts with IRAK2, it does not react with IRAK
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, IP, ICC, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	A synthetic peptide corresponding to 17 amino acids near the C terminus of mouse IRAK2a, (which is common to all four isoforms).
<b>Positive control</b>	WB: RAW264.7 whole cell lysate. ICC: A-20 cells. ICC/IF: A-20 cells.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab62419 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 20 µg/ml.
IP	★★★★★ (1)	Use at an assay dependent concentration. (PMID 19224918)
ICC		Use a concentration of 1 µg/ml.
WB	★★★★★ (2)	Use a concentration of 0.5 - 2 µg/ml. Detects a band of approximately 65 kDa (predicted molecular weight: 65 kDa).

## Target

### Function

Binds to the IL-1 type I receptor following IL-1 engagement, triggering intracellular signaling cascades leading to transcriptional up-regulation and mRNA stabilization.

### Tissue specificity

Expressed in spleen, thymus, prostate, lung, liver, skeletal muscle, kidney, pancreas and peripheral blood leukocytes.

### Sequence similarities

Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. Pelle subfamily.

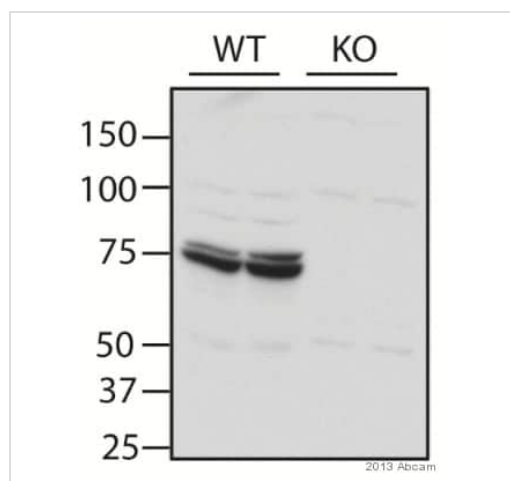
Contains 1 death domain.

Contains 1 protein kinase domain.

### Domain

The protein kinase domain is predicted to be catalytically inactive.

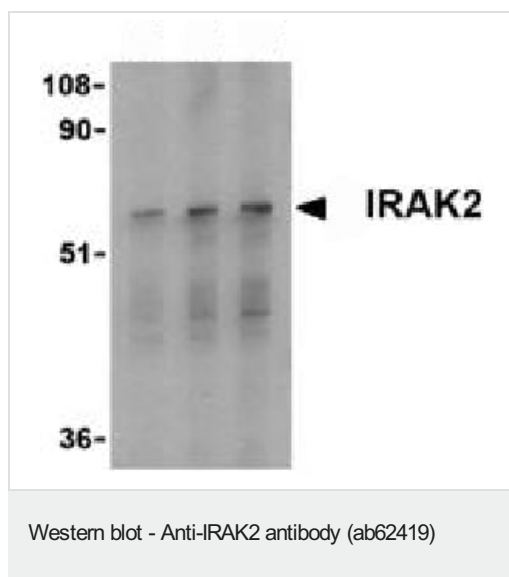
## Images



Western blot - Anti-IRAK2 antibody (ab62419)

This image is courtesy of an anonymous abreview.

Anti-IRAK antibody (ab62419) reactivity with reduced wildtype (WT) or IRAK2 knockout (KO) mouse embryonic fibroblast (MEF) cell lysate. After SDS-PAGE, membranes were blocked in 5% milk for 1h at 25°C before incubation with ab62419 (1µg/ml dilution in 5% milk in TBS/0.5% Tween) for 16h at 4°C. The blot was then incubated with an anti-Rabbit HRP-conjugated secondary antibody before developing with ECL.



**Lane 1 :** Anti-IRAK2 antibody (ab62419) at 0.5 µg/ml

**Lane 2 :** Anti-IRAK2 antibody (ab62419) at 1 µg/ml

**Lane 3 :** Anti-IRAK2 antibody (ab62419) at 2 µg/ml

**Lane 1 :** RAW264.7 (Mouse macrophage cell line transformed with Abelson murine leukemia virus) whole cell lysate

**Lanes 2-3 :** RAW264.7 whole cell lysate

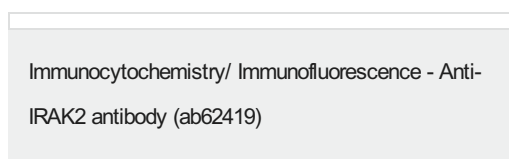
Lysates/proteins at 15 µg per lane.

**Predicted band size:** 65 kDa

**Observed band size:** 65 kDa



Immunocytochemistry of IRAK2 in A-20 cells with ab62419 antibody at 1 µg/ml.



Immunofluorescence of IRAK2 in A20 cells using ab62419 at 10 µg/ml.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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