

Datasheet for ABIN3044473  
**anti-IRAK2 antibody (C-Term)**

## 3 Images

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## Overview

Quantity:	100 µg
Target:	IRAK2
Binding Specificity:	AA 600-616, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IRAK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Interleukin-1 receptor-associated kinase-like 2(IRAK2) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human IRAK2(600-616aa EAKRKL MENILLYKEEK), different from the related rat sequence by one amino acid, and from the related mouse sequence by three amino acids.
Sequence:	EAKRKL MENI LLYKEEK
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Interleukin-1 receptor-associated kinase-like 2(IRAK2) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat.

## Product Details

Gene Name: interleukin-1 receptor-associated kinase 2

Protein Name: Interleukin-1 receptor-associated kinase-like 2

Purification: Immunogen affinity purified.

## Target Details

Target: IRAK2

Alternative Name: IRAK2 ([IRAK2 Products](#))

Background: Interleukin-1 receptor-associated kinase-like 2 is an enzyme that in humans is encoded by the IRAK2 gene. This gene is mapped to 3p25.3. IRAK2 encodes the interleukin-1 receptor-associated kinase 2, one of two putative serine/threonine kinases that become associated with the interleukin-1 receptor(IL1R) upon stimulation. IRAK2 is reported to participate in the IL1-induced upregulation of NF-kappaB. It binds to the IL-1 type I receptor following IL-1 engagement, triggering intracellular signaling cascades leading to transcriptional up-regulation and mRNA stabilization.

Synonyms: IRAK-2 antibody

UniProt: [O43187](#)

Pathways: [TLR Signaling](#), [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Toll-Like Receptors Cascades](#)

## Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Predicted Species: Mouse, Rat  
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.  
ICC: Concentration: 0.5-1 µg/mL, Tested Species: Human, Predicted Species: Mouse, Rat  
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.  
Optimal dilutions should be determined by end users.

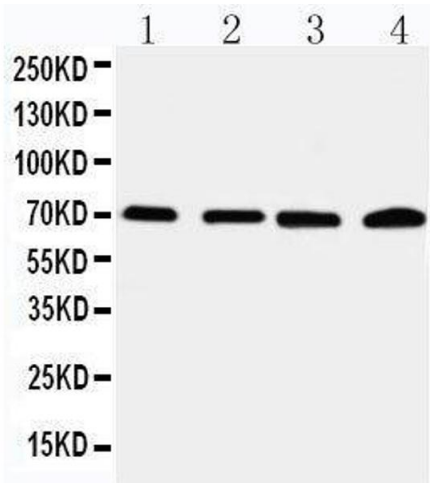
Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and ICC.

Restrictions: For Research Use only

## Handling

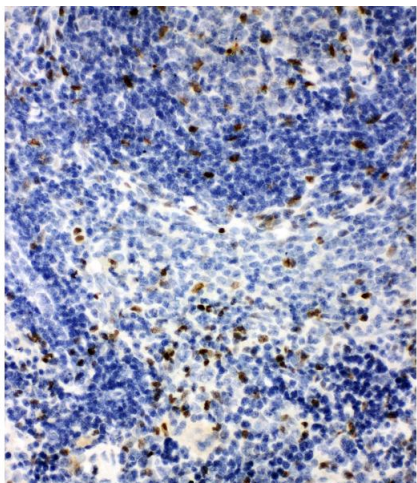
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

## Images



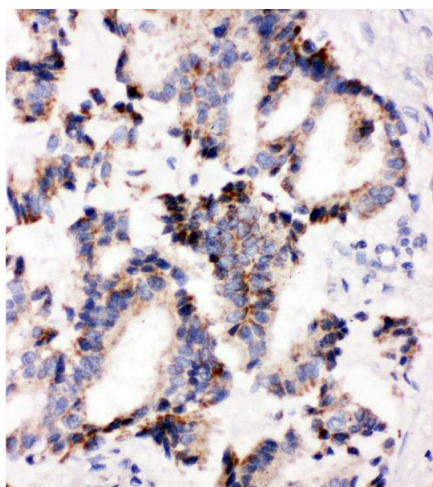
### Western Blotting

**Image 1.** Anti-IRAK2 antibody, Western blotting Lane 1: 22RV Cell Lysate Lane 2: A549 Cell Lysate Lane 3: PANC Cell Lysate Lane 4: SMMC Cell Lysate



#### Immunohistochemistry

**Image 2.** Anti-IRAK2 antibody, IHC(P) IHC(P): Rat Spleen Tissue



#### Immunohistochemistry

**Image 3.** Anti-IRAK2 antibody, IHC(P) IHC(P): Human Lung Cancer Tissue