

Anti-IRAK2 Antibody
Catalog # ABO11546**Specification**

Anti-IRAK2 Antibody - Product Information

Application	WB, IHC-P, ICC
Primary Accession	O43187
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Interleukin-1 receptor-associated kinase-like 2 (IRAK2) detection. Tested with WB, IHC-P, ICC in Human; Mouse; Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-IRAK2 Antibody - Additional Information

Gene ID 3656

Other Names

Interleukin-1 receptor-associated kinase-like 2, IRAK-2, IRAK2

Calculated MW

69433 MW KDa

Application Details

Immunocytochemistry , 0.5-1 µg/ml, Human, Mouse, Rat
Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat
Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Tissue Specificity

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

Protein Name

Interleukin-1 receptor-associated kinase-like 2

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human IRAK2(600-616aa EAKRKLMENILLYKEEK), different from the related rat sequence by one amino acid, and from the related mouse sequence by three amino acids.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

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.

Sequence Similarities

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

Anti-IRAK2 Antibody - Protein Information

Name IRAK2

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.

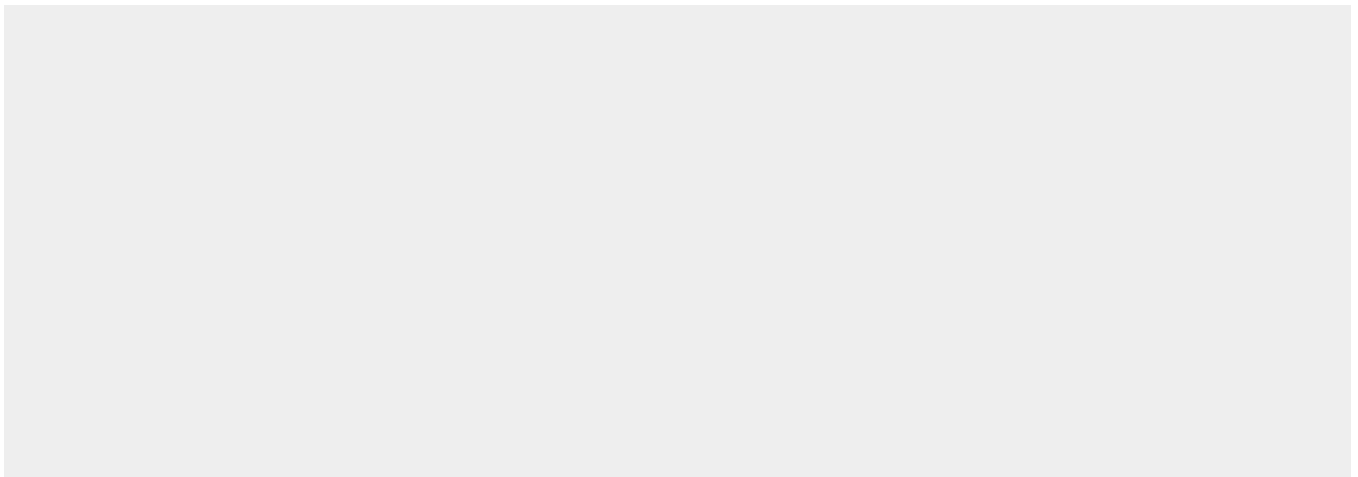
Tissue Location

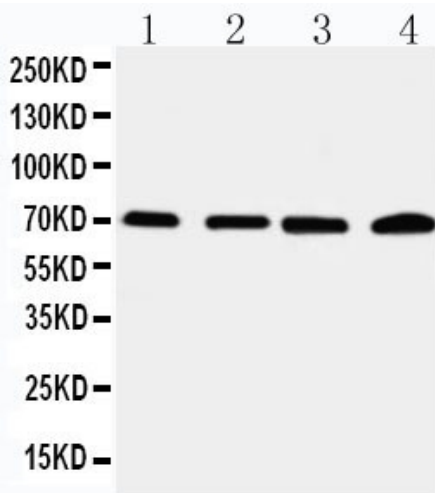
Expressed in spleen, thymus, prostate, lung, liver, skeletal muscle, kidney, pancreas and peripheral blood leukocytes

Anti-IRAK2 Antibody - Protocols

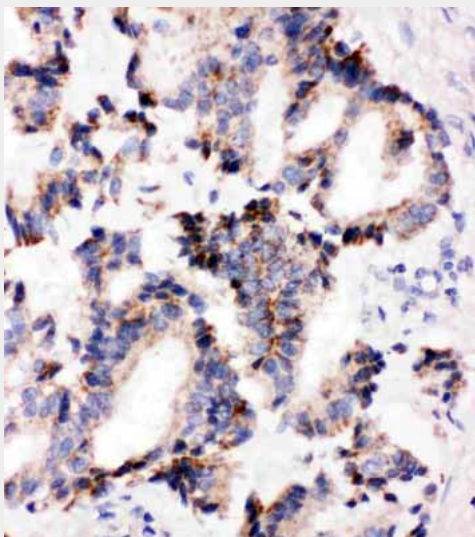
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

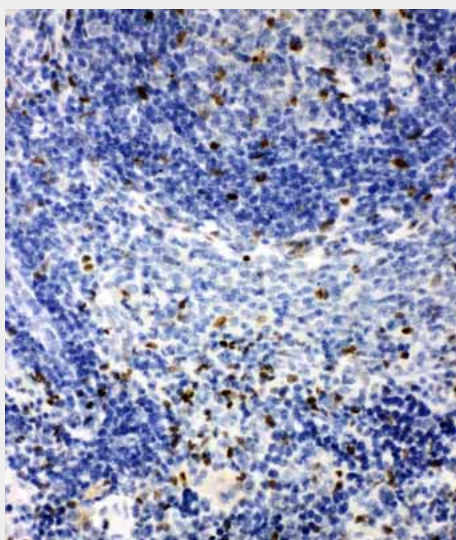
Anti-IRAK2 Antibody - Images



Anti-IRAK2 antibody, ABO11546, Western blotting
Lane 1: 22RV Cell Lysate
Lane 2: A549 Cell Lysate
Lane 3: PANC Cell Lysate
Lane 4: SMMC Cell Lysate



Anti-IRAK2 antibody, ABO11546, IHC(P)
IHC(P): Human Lung Cancer Tissue



Anti-IRAK2 antibody, ABO11546, IHC(P)IHC(P): Rat Spleen Tissue

Anti-IRAK2 Antibody - 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.