

Anti-IRAK2 Antibody

Catalog # ABO11546

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.

Additional Information

Gene ID	3656
Other Names	Interleukin-1 receptor-associated kinase-like 2, IRAK-2, IRAK2
Calculated MW	69433
Application Details	Immunocytochemistry , 0.5-1 μ g/ml, Human, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 μ g/ml, Human, Mouse, Rat
Tissue Specificity	Expressed in spleen, thymus, prostate, lung, liver, skeletal muscle, kidney, pancreas and peripheral blood leukocytes. .
Source	Eukaryota
Protein Name	Interleukin-1 receptor-associated kinase-like 2
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ .
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 r ° Constitution, 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.

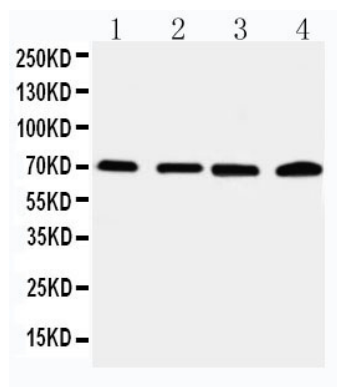
Protein Information

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

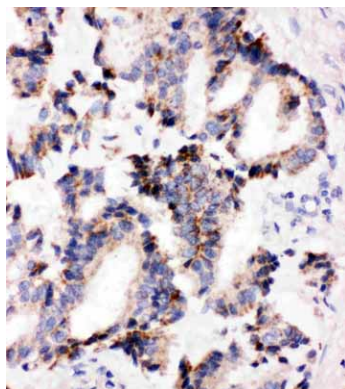
Background

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.

Images

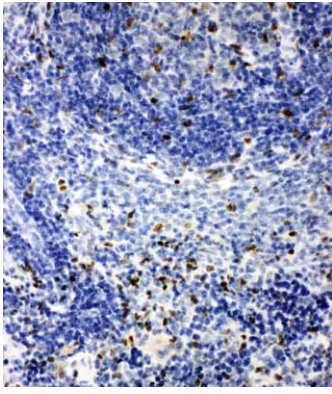


Anti-IRAK2 antibody, ABO11546, Western blotting
Lane 1: 22RV Cell Lysate
Lane 2: A549 Cell Lysate
Lane 3: PANC Cell Lysate
Lane 4: SMMC Cell Lysate



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

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



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