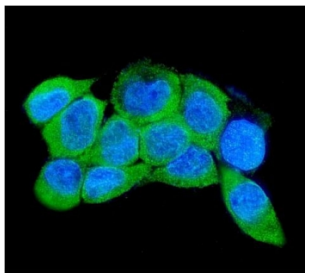
IRAK2 Antibody (RQ5650)

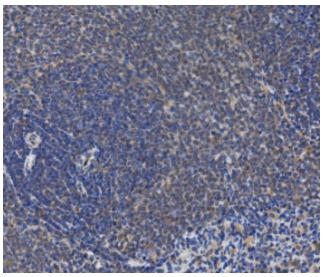
Catalog No.	Formulation	Size
RQ5650	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

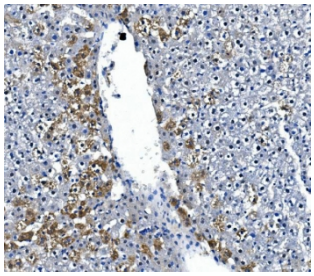
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	O43187
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry: 1-2ug/ml Immunofluorescence: 2-4ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This IRAK2 antibody is available for research use only.



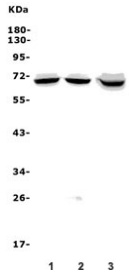
Immunofluorescent staining of FFPE human A431 cells with IRAK2 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



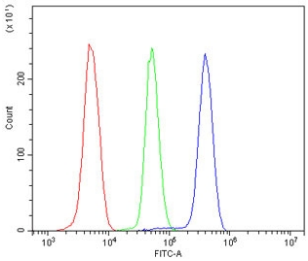
IHC staining of FFPE rat spleen with IRAK2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



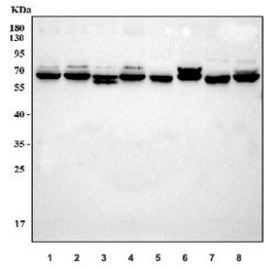
IHC staining of FFPE rat liver with IRAK2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human A549, 2) human Caco-2 and 3) mouse ANA-1 lysate with IRAK2 antibody. Predicted molecular weight ~69 kDa.



Flow cytometry testing of human U937 cells with IRAK2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= IRAK2 antibody.



Western blot testing of 1) human K562, 2) human MOLT4, 3) human Jurkat, 4) human Raji, 5) rat thymus, 6) rat PC-12, 7) mouse thymus and 8) mouse RAW264.7 cell lysate with IRAK2 antibody. Predicted molecular weight ~69 kDa.

Description

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.

Application Notes

Optimal dilution of the IRAK2 antibody should be determined by the researcher.

Immunogen

Amino acids AKEICQKYLEKGAGRLPEDCAEALATAACLCLRR from the human protein were used as the immunogen for the IRAK2 antibody.

Storage

After reconstitution, the IRAK2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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