

Product Name: KD-Validated IRAK1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01562**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 76.5kDa

Antigen Information

Gene Name	IRAK1
Alternative Names	IRAK1; Interleukin 1 Receptor Associated Kinase 1; IRAK; Interleukin-1 Receptor-Associated Kinase 1; EC 2.7.11.1; Pelle; Pelle Homolog; EC 2.7.11; IRAK-1; PELLE
Gene ID	3654.0
SwissProt ID	P51617
Immunogen	A synthesized peptide derived from human IRAK

Background

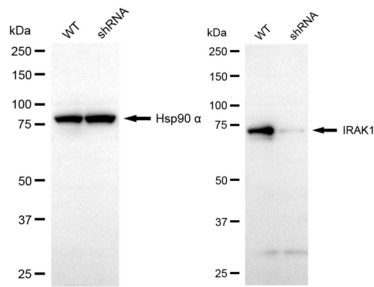
This gene encodes the interleukin-1 receptor-associated kinase 1, one of two putative serine/threonine kinases that become associated with the interleukin-1 receptor (IL1R) upon stimulation. This gene is partially responsible for IL1-induced upregulation of the transcription factor NF-kappa B. Alternatively spliced transcript variants encoding different isoforms have

been found for this gene. [provided by RefSeq, Jul 2008]

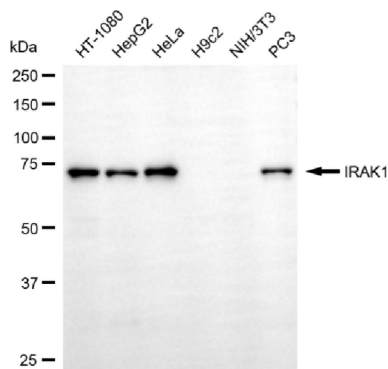
Research Area

Immunology,Signal Transduction,Cardiovascular,Neuroscience

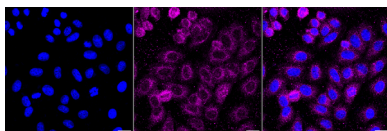
Image Data



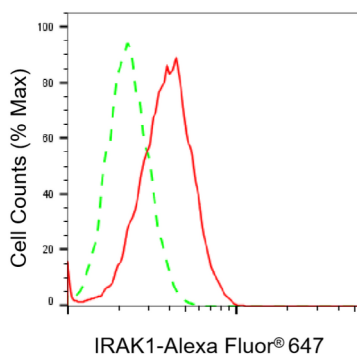
Western blotting analysis using IRAK1 antibody (KVA01562). IRAK1 expression in wild-type (WT) and IRAK1 shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with IRAK1 antibody (KVA01562, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using IRAK1 antibody (KVA01562). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with IRAK1 antibody (KVA01562, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with IRAK1 antibody (KVA01562, 1:1,000). Nuclei were stained blue with DAPI; IRAK1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 μ m.



Flow cytometric analysis of IRAK1 expression in HepG2 cells using IRAK1 antibody (KVA01562, 1:2,000). Green, isotype control; red, IRAK1.