

Anti-IRAK1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

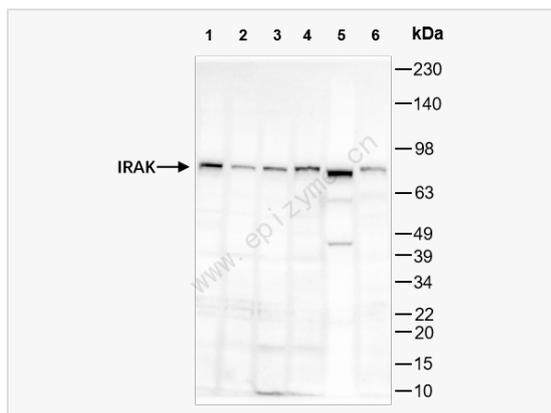
Catalog # R015414

Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	35F09D38
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human IRAK
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-IRAK1 Rabbit mAb [35F09D38] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	AA48924; Il1rak; Interleukin 1 receptor associated kinase 1; Interleukin-1 receptor-associated kinase 1; IRAK; IRAK-1; Irak1; IRAK1-S; IRAK1_HUMAN; mPLK; OTTHUMP00000026014; OTTHUMP00000026015; OTTHUMP00000026020; OTTHUMP00000180621; Pelle; Pelle homolog; Pelle-like protein kinase; Plpk.
Calculated MW	Calculated MW: 77 kDa; Observed MW: 77 kDa
Uniprot ID	P51617
Gene ID	3654
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]
Tissue Location	Isoform 1 and isoform 2 are ubiquitously expressed in all tissues examined, with isoform 1 being more strongly expressed than isoform 2.



Western Blot - Anti-IRAK1 Rabbit mAb [35F09D38]

All lanes: R015414 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: 293T (Human embryonic kidney cell) whole cell lysates

Lane 5: K562 (Human chronic myeloid leukemia cell) whole cell lysates

Lane 6: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates

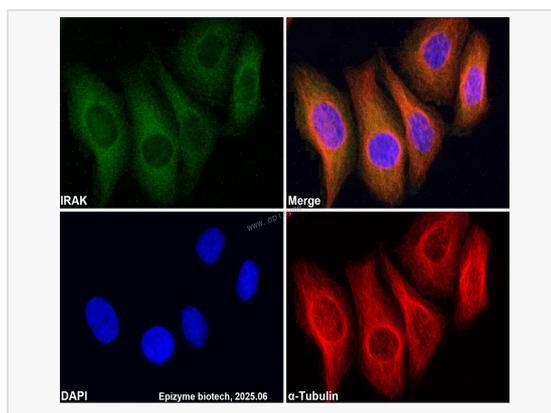
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 77 kDa

Observed band size: 77 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-IRAK1 Rabbit mAb [35F09D38]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R015414 at 1:100 dilution and α -tubulin Mouse Monoclonal

Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and

Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).