

IRAK Antibody

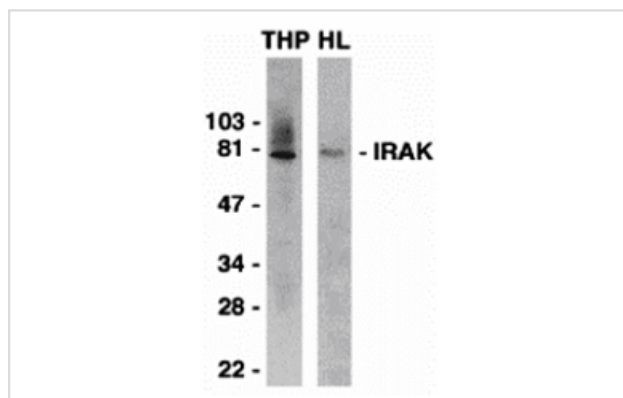
Catalog No: #24001

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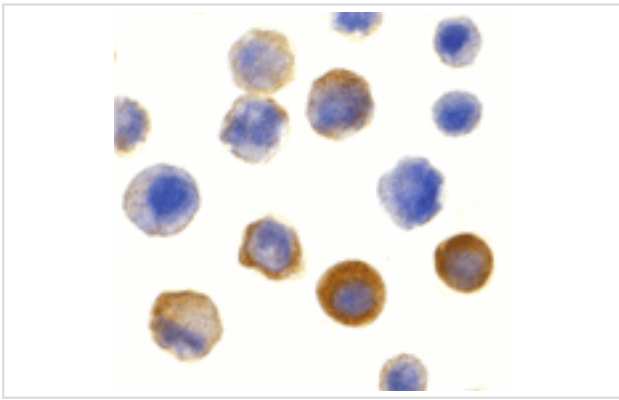
Description

Product Name	IRAK Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	DEAE purified
Applications	ELISA WB ICC IP
Species Reactivity	Hu Ms Rt
Specificity	No cross response to IRAK2.
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to amino acids near the carboxy terminus of human IRAK.
Target Name	IRAK
Other Names	IL-1-Receptor Associated Kinase
Accession No.	P51617
Uniprot	P51617
GeneID	3654;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of IRAK in THP-1 (THP) and HeLa (HL) whole cell lysates with IRAK antibody at 1:2000 dilution.



Immunocytochemistry of IRAK in HeLa cells with IRAK antibody at 10 ug/mL.

Background

Nuclear factor kappa B (NF- κ B) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NF- κ B mediates the expression of a great variety of genes in response to extracellular stimuli including IL-1, TNF α and LPS. A serine/threonine protein kinase associated with IL-1 receptor (IRAK) and its homologue mouse pelle-like protein kinase (mPLK) were identified recently. IRAK is associated with the IL-1 receptor subunits IL-1RI and IL-1RAcP after IL-1 binding and serves as a signaling molecule to mediate IL-1 response. IRAK mediates a signaling cascade leading to NF- κ B activation by members in IL-1 family including IL-1 and a novel cytokine IL-18 (also termed IGIF).

Note: This product is for in vitro research use only