

## IRAK-2 Antibody

Catalog No: #24064

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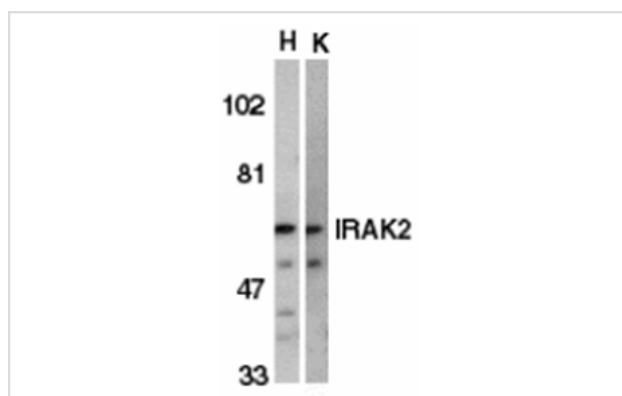
## Description

Product Name	IRAK-2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC
Species Reactivity	Hu
Specificity	Anti-IRAK2 has no cross response to IRAK.
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to amino acids near the carboxy terminus of human IRAK2.
Target Name	IRAK-2
Other Names	IRAK-2
Accession No.	Swiss-Prot:O43187Gene ID:3656
Uniprot	O43187
GeneID	3656;
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.

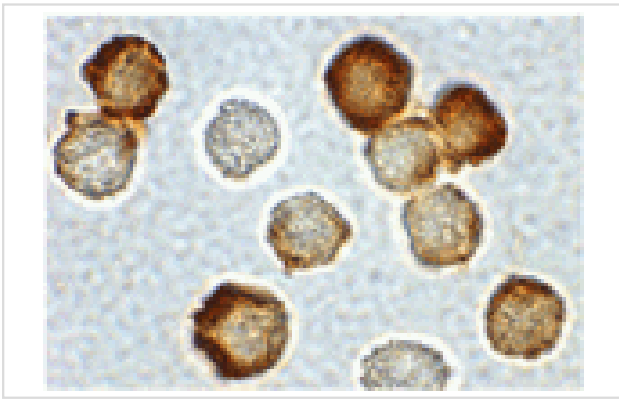
## Application Details

Predicted MW: 65 kd

## Images



Western blot analysis of IRAK2 in HeLa (H) and K562 (K) whole cell lysate with IRAK2 antibody (C2) at 2 ug/mL.



Immunocytochemical staining of HeLa cells using IRAK2 antibody at 2 ug/mL.

## Background

The pro-inflammatory cytokine IL-1 induces cellular response through two subunits of its receptor, IL-1 receptor I (IL-1RI) and IL-1 receptor accessory protein (IL-1RAcP). IL-1 receptor-associated kinase (IRAK) mediates activation of NF- $\kappa$ B, which is a pivotal transcription factor mediating inflammatory and immune response. A novel member in the IRAK/Pelle family was recently identified and designated IRAK2. Both IRAK and IRAK2 recruit to the subunits of the IL-1R complex after IL-1 binding and lead to NF- $\kappa$ B activation. IRAKs also associate with Toll like receptor (TLR) and the dominant negative mutants of IRAKs inhibit LPS-induced NF- $\kappa$ B activation. Members in IRAK/Pelle family play a central role in IL-1R and TLR mediated inflammatory response. IRAK2 is expressed in a variety of human tissues.

Note: This product is for in vitro research use only