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**Product Name: IRAK-2 Rabbit Polyclonal Antibody****Catalog #: APRab12727**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC
<b>Reactivity</b>	Human,Rat,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:50-1:300
<b>Molecular Weight</b>	70kDa

**Antigen Information**

<b>Gene Name</b>	IRAK2
<b>Alternative Names</b>	IRAK2; Interleukin-1 receptor-associated kinase-like 2; IRAK-2
<b>Gene ID</b>	3656.0
<b>SwissProt ID</b>	O43187
<b>Immunogen</b>	Synthesized peptide derived from the Internal region of human IRAK-2.

**Background**

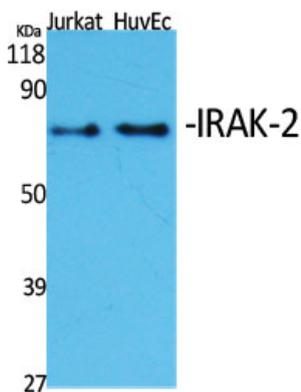
IRAK2 encodes the interleukin-1 receptor-associated kinase 2, one of two putative serine/threonine kinases that become associated with the interleukin-1 receptor (IL1R) upon stimulation. IRAK2 is reported to participate in the IL1-induced

upregulation of NF-kappaB. [provided by RefSeq, Jul 2008],caution:Asn-335 is present instead of the conserved Asp which is expected to be an active site residue. This enzyme has been shown to be catalytically inactive.,domain:The protein kinase domain is predicted to be catalytically inactive.,function:Binds to the IL-1 type I receptor following IL-1 engagement, triggering intracellular signaling cascades leading to transcriptional up-regulation and mRNA stabilization.,similarity:Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. Pelle subfamily.,similarity:Contains 1 death domain.,similarity:Contains 1 protein kinase domain.,subunit:Interacts with MYD88. IL-1 stimulation leads to the formation of a signaling complex which dissociates from the IL-1 receptor following the binding of PELI1.,tissue specificity:Expressed in spleen, thymus, prostate, lung, liver, skeletal muscle, kidney, pancreas and peripheral blood leukocytes.,

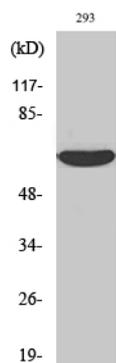
## Research Area

Apoptosis\_Inhibition;Apoptosis\_Mitochondrial;Apoptosis\_Overview;Neurotrophin;

## Image Data



Western Blot analysis of various cells using IRAK-2 Polyclonal Antibody diluted at 1 : 2000



Western Blot analysis of 293 cells using IRAK-2 Polyclonal Antibody diluted at 1 : 2000