



## **IRAK-2** Polyclonal Antibody

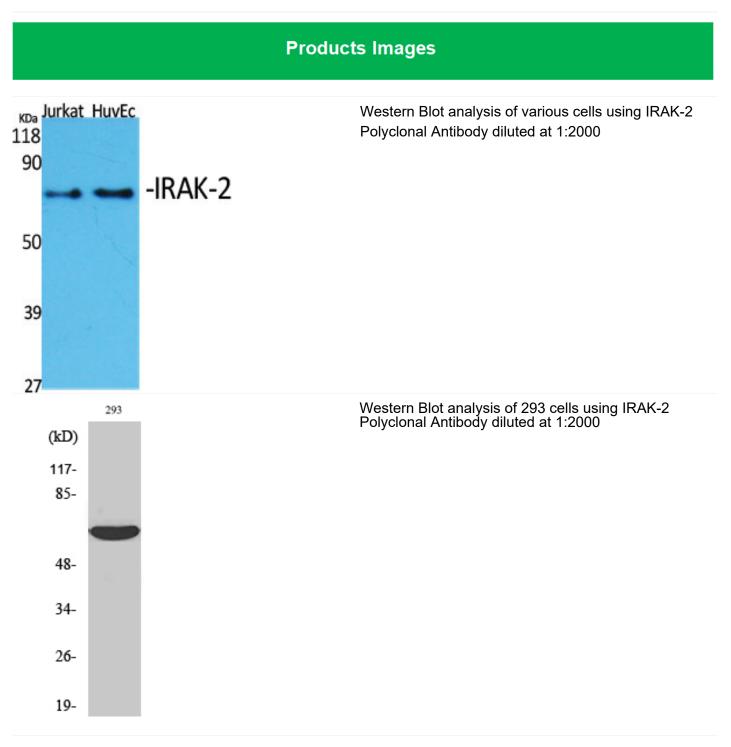
Catalog No	BYab-14796
Isotype	lgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC
Gene Name	IRAK2
Protein Name	Interleukin-1 receptor-associated kinase-like 2
Immunogen	Synthesized peptide derived from the Internal region of human IRAK-2.
Specificity	IRAK-2 Polyclonal Antibody detects endogenous levels of IRAK-2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	IRAK2; Interleukin-1 receptor-associated kinase-like 2; IRAK-2
Observed Band	70kD
Cell Pathway	nucleus,cytoplasm,cytosol,plasma membrane,endosome membrane,
Tissue Specificity	Expressed in spleen, thymus, prostate, lung, liver, skeletal muscle, kidney, pancreas and peripheral blood leukocytes.
Function	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 leuko

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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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

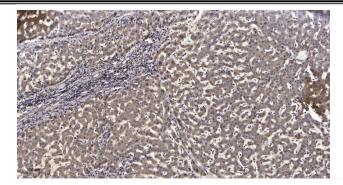


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Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

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