

For Research Use Only

# IRAK2 Polyclonal antibody

Catalog Number: 21700-1-AP



## Basic Information

<b>Catalog Number:</b> 21700-1-AP	<b>GenBank Accession Number:</b> BC125184	<b>Purification Method:</b> Antigen affinity purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 3656	<b>Recommended Dilutions:</b> WB: 1:500-1:2000
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> O43187	
<b>Immunogen Catalog Number:</b> AG16297	<b>Full Name:</b> interleukin-1 receptor-associated kinase 2	
	<b>Calculated MW:</b> 625 aa, 69 kDa	
	<b>Observed MW:</b> 62-75 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, HepG2, Jurkat, K-562, L02 cells
<b>Species Specificity:</b> human	

## Background Information

IRAK2 (Interleukin-1 receptor-associated kinase 2) is a crucial protein involved in innate immune signaling and has diverse roles in various biological processes. IRAK2 belongs to the IRAK family of proteins, which share an N-terminal death domain (DD) that enables interactions with the DD-containing MyD88, and a central kinase domain (KD) (PMID: 24973222). IRAK2 has been implicated in various cancers. It is highly expressed in pancreatic cancer patients and is associated with poor prognosis. IRAK2 knockdown impairs pancreatic cancer cell proliferation (PMID: 37108068).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

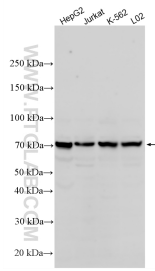
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21700-1-AP (IRAK2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.