

Product datasheet for **AP23599PU-N**

IRAK4 (2-13) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA: 1/32000. Immunohistochemistry on Paraffin Sections: 3.75 µg/ml. Western Blot: 1 - 3 µg/ml.
Reactivity:	Human, Monkey, Mouse, Bat, Equine
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Synthetic peptide from the N-terminus of human IRAK4 (NP_057207.2; NP_001107654.1)
Specificity:	This antibody reacts to the N-Terminus (aa2-13) of Interleukin 1 Receptor-Associated Kinase 4 (IRAK4).
Formulation:	Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 1 receptor associated kinase 4
Database Link:	Entrez Gene 266632 Mouse Entrez Gene 51135 Human Q9NWZ3



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Background:

IRAK4, an IRAK type protein kinase, is a signal transducer for the immune response Toll-like receptor and interleukin-1 (IL-1) receptor signaling cascades. IRAK4 has auto- and cross-phosphorylation kinase activity and has been shown to phosphorylate and activate IRAK1. Additionally, IRAK4 interacts with IRAK1 and TRAF6 in an IL-1-dependent manner, and overexpression of IRAK4 can activate NF-kappaB as well as mitogen-activated protein (MAP) kinase pathways. IRAK4 (-/-) mice are resistant to a lethal dose of lipopolysaccharide and are severely impaired in their responses to viral and bacterial challenges. At least two mRNA transcripts have been reported: 3.0- and 4.4-kb. IRAK4, also referred to as NY-REN-64, was first identified as an antigen in a screen of renal tumors.

Synonyms:

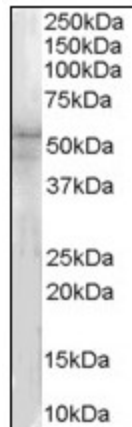
IRAK-4, NY-REN-64

Protein Families:

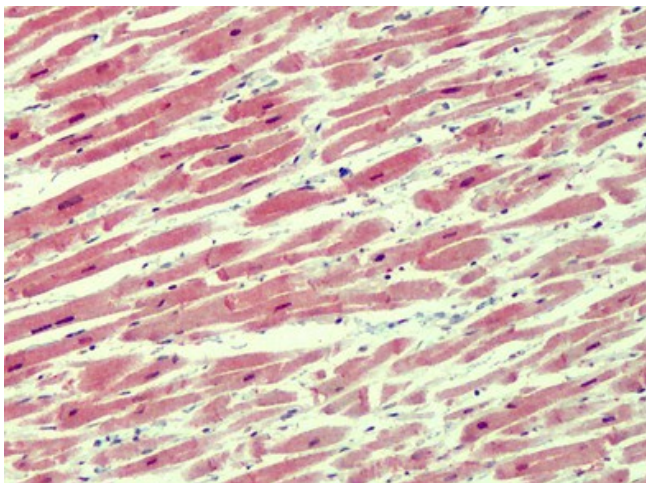
Druggable Genome, Protein Kinase

Protein Pathways:

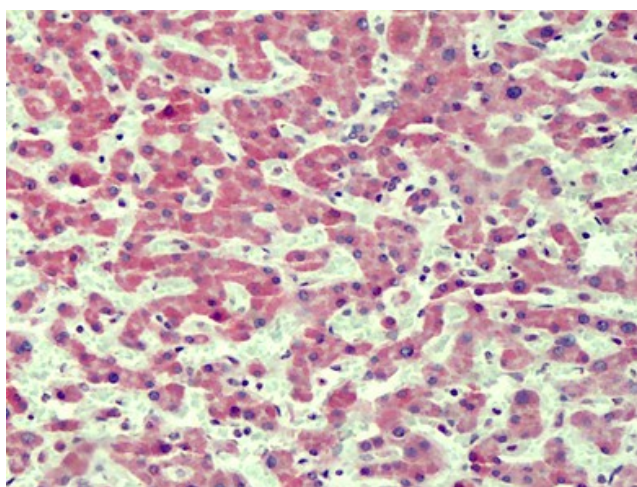
Apoptosis, Neurotrophin signaling pathway, Toll-like receptor signaling pathway

Product images:


(1ug/ml) Staining of Hela lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Human Heart: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Liver: Formalin-Fixed, Paraffin-Embedded (FFPE)