

Product datasheet for **AP22789PU-N**

IRAK (IRAK1) (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 10 µg/ml. Western Blot: 1/1000.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	IRAK1 antibody was raised against kLH conjugated synthetic peptide selected from the C-terminal region of human IRAK1.
Specificity:	This antibody reacts to Interleukin 1 Receptor-Associated Kinase 1 (IRAK1).
Formulation:	PBS containing 0.09% sodium azide State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein G Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 1 receptor associated kinase 1
Database Link:	Entrez Gene 3654 Human P51617



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Background:

IRAK1, an IRAK type protein kinase, is a signal transducer for the immune response Toll-like receptor and interleukin-1 (IL-1) receptor signaling cascades. IRAK1 is recruited to the IL-1 receptor, phosphorylated and progressively degraded in response to IL-1 induction. The protein also has the ability to autophosphorylate. IRAK1 is immediately downstream of the MyD88 adapter protein and immediately upstream of TRAF6. IRAK1 (-/-) mice have impaired responses to interleukin-18. At least two mRNA transcript variants have been identified - 2.0 and 3.6 kb.

Synonyms:

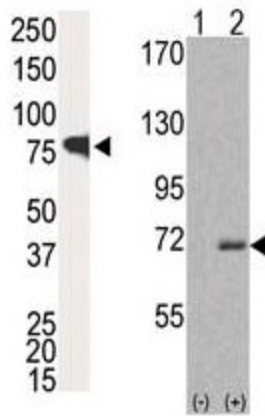
IRAK-1, IRAK

Protein Families:

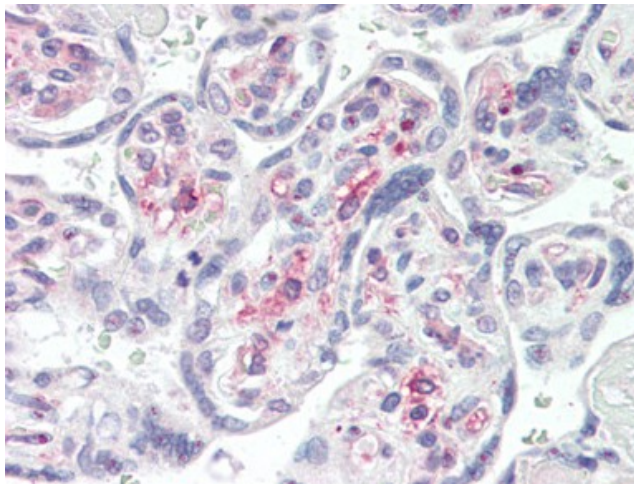
Druggable Genome, Protein Kinase, Transcription Factors

Protein Pathways:

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

Product images:


(LEFT) Western blot analysis of IRAK1 in Jurkat cell lysate. IRAK1 (RIGHT) Western blot analysis of IRAK1 in 293 cell lysates (2 ug/lane) either non-transfected (Lane 1) or transiently transfected with the IRAK1 gene (Lane 2).



Human Placenta (formalin-fixed, paraffin-embedded) stained with IRAK1 antibody AP22789PU-N followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.