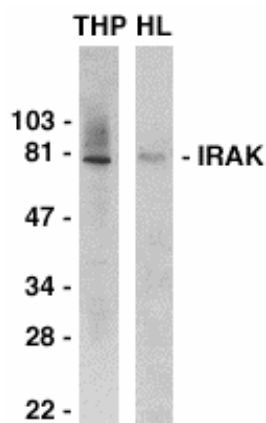


Anti-human IRAK (CT) Polyclonal Antibody

Catalog No.	PX141A PX141B	Quantity:	100 µg 0.5 mg
Background:	Nuclear factor kappa B is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NF-kappa B mediates the expression of a great variety of genes in response to extracellular stimuli including IL-1, TNF alpha and LPS. A serine/threonine protein kinase associated with IL-1 receptor (IRAK) and its homologue mouse pelle-like protein kinase (mPLK) were identified recently. IRAK is associated with the IL-1 receptor subunits IL-1RI and IL-1RAcP after IL-1 binding and serves as a signaling molecule to mediate IL-1 response. IRAK mediates a signaling cascade leading to NF-kappa B activation by members in IL-1 family including IL-1 and a novel cytokine IL-18 (also termed IGIF).		
Source:	Rabbit anti-IRAK polyclonal antibody was raised against a peptide corresponding to amino acids 700 to 712 of human IRAK.		
Cross-Reactivity:	Cross-reactive with human, mouse and rat.		
Applications:	This polyclonal antibody can be used for Western blot at 1:1000 dilution and for immunoprecipitation with 2 to 4 µg per sample. THP-1 or HeLa whole cell lysate can be used as positive control and an 80 kDa band should be detected in the lysate from non-activated cells. It is human, mouse, and rat reactive, and has no cross response to IRAK2.		
Storage:	It is supplied as purified IgG, in PBS containing 0.02% sodium azide. Store at 4°C, stable for one year.		
References:	Search PubMed (MEDLINE) for references to this product.		



Western blot analysis of IRAK in THP-1 (THP) and HeLa (HL) whole cell lysates with anti-IRAK at 1:2000 dilution.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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