

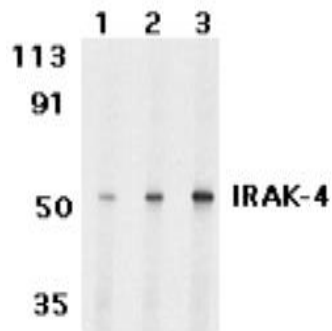
IRAK4

Rabbit Anti-Human IL-1 Receptor-Associated Kinase 4 pAb

Catalog No.	PX234A PX234B	Quantity:	100 µg 0.5 mg
Alternate Names:	IPD1, NY-REN-64, REN64, IRAK-4 mutated form 1, interleukin-1 receptor associated kinase 4		
Description:	Interleukin-1 (IL-1) and lipopolysaccharide (LPS) induces cellular responses through IL-1 receptor (IL-1R) and Toll-like receptors (TLR). IL-1R-associated kinases (IRAK, IRAK2, and IRAK-M) regulate the activation of NF-κB and MAP kinase (MAPK) by IL-1R/TLR. A novel member in the IRAK/Pelle family was recently identified and designated IRAK-4. Overexpression of IRAK-4 activates NF-κB and MAPK pathways. IRAK-4 interacts with and phosphorylates IRAK-1. IRAK-4-deficient animals are completely resistant to the challenge with LPS. Animals and humans lacking IRAK-4 are impaired in their responses to viral and bacterial challenges. Members in IRAK/Pelle family play a central role in IL-1R/TLR mediated inflammatory responses and in innate immunity.		
Gene ID:	51135		
Host:	Rabbit anti-IRAK-4 polyclonal antibody was raised against a synthetic peptide corresponding to amino acids at carboxy terminus of human IRAK-4.		
Immunogen:	IRAK-4		
Formulation:	It is supplied as chromatography purified IgG, 100 µg in 200 µl of PBS containing 0.02% sodium azide. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Applications:	This polyclonal antibody can be used for the detection of IRAK-4 by Western blot at 1 to 2 µg/ml. HeLa cell lysate can be used as positive control and a 50 kDa band can be detected. Anti-IRAK-4 has no cross response to other IRAKs.		
Storage & Stability:	IRAK-4 antibody is supplied as chromatography purified IgG in PBS containing 0.02% sodium azide. Store at 4°C, stable for one year. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Related Products:	Blocking peptide (Catalog No. PX234BP) HeLa cell lysate (Catalog No. PX314A) Anti-IRAK (Catalog No. PX141A) Anti-IRAK2 (Catalog No. PX145A) Anti-IRAK-M (Catalog No. PX146A)		



Western blot analysis of IRAK-4 in HeLa cell lysate with IRAK-4 antibody at 1 (lane 1), 2 (lane 2), and 4 (lane 3) $\mu\text{g/ml}$, respectively.



Immunocytochemistry of IRAK-4 in K562 cells with IRAK-4 antibody at 10 $\mu\text{g/ml}$.



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