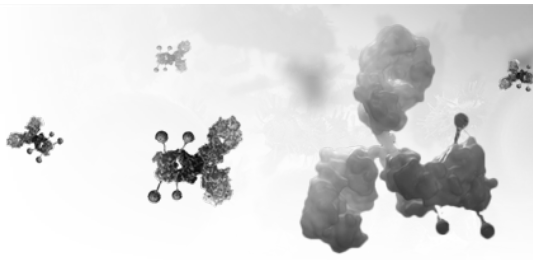

Anti-IRAK4 (C-terminal) polyclonal antibody (CPBT-67471RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit anti Human IRAK4 (C-Terminal) antibody detects an epitope within the C-Terminal (CT) region of integrin-1 receptor-associated kinase 4 (IRAK4). IRAK4 has a molecular weight of 50kD, and is an important mediator in the signal transduction of Toll-like receptor (TLR) and interleukin-1 (IL-1) receptor family members. IRAK4 functions in this signal transduction pathway by binding to the IL-1 type I receptor following IL-1 engagement, triggering intracellular signalling cascades leading to transcriptional up-regulation and mRNA stabilization. IRAK4 is a key activator of TLR-mediated signal transductions and has crucial roles in innate immune responses. It is expressed by the liver, kidneys and skeletal muscle. Western Blotting detects a band of approximately 50kDa in HeLa cell lysates.
Specificity	IRAK4
Immunogen	A peptide corresponding to amino acids at the carboxy terminus of human IRAK4.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	IHC-Fr; WB
Format	Purified IgG - liquid
Size	100 µg
Preservative	0.02% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid

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repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	IRAK4 interleukin-1 receptor-associated kinase 4 [Homo sapiens (human)]
Official Symbol	IRAK4
Synonyms	IRAK4; interleukin-1 receptor-associated kinase 4; IPD1; REN64; IRAK-4; NY-REN-64; renal carcinoma antigen NY-REN-64; IRAK4;
Entrez Gene ID	51135
Protein Refseq	NP_001107654
UniProt ID	Q9NWZ3
Chromosome Location	12q12
Pathway	AGE/RAGE pathway; Activated TLR4 signalling; Apoptosis; Chagas disease (American trypanosomiasis); Cytokine Signaling in Immune system; IL-1 Signaling Pathway; IL1-mediated signaling events; Immune System;
Function	ATP binding; interleukin-1 receptor binding; magnesium ion binding; protein binding; protein kinase activity; protein serine/threonine kinase activity;

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