

Rabbit Anti-ZAP70 Polyclonal Antibody

CPB-713RH Rabbit(ZAP70)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-ZAP70 Polyclonal Antibody
Antigen Description	Plays a role in T-cell development and lymphocyte activation. Essential for TCR-mediated IL-2 production. Isoform 1 induces TCR-mediated signal transduction, isoform 2 does not.
specificity	The antibody detects endogenous level of ZAP70 only when phosphorylated at tyrosine 319.
Target	ZAP70
Immunogen	Peptide sequence around phosphorylation site of tyrosine 319 (S-P-Y(p)-S-D) derived from Human ZAP70.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse; Rat
conjugation	N/A
Applications	IFA, WB

PACKAGING

Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C /1 year

ANTIGEN GENE INFORMATION

Gene Name	ZAP70 zeta-chain (TCR) associated protein kinase 70kDa [Homo sapiens]
Official Symbol	ZAP70
Synonyms	ZAP70; zeta-chain (TCR) associated protein kinase 70kDa; SRK, zeta chain (TCR) associated protein kinase (70 kD); tyrosine-protein kinase ZAP-70; STD; ZAP 70; syk-related tyrosine kinase; 70 kDa zeta-associated protein; 70 kDa zeta-chain associated protein; zeta-chain associated protein kinase, 70kD; SRK; TZK; ZAP-70; FLJ17670; FLJ17679;
GeneID	7535
mRNA Refseq	NM_001079
Protein Refseq	NP_001070
UniProt ID	P43403
Chromosome Location	2q11-q13
Pathway	Adaptive Immune System, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; Generation of second messenger molecules, organism-specific biosystem; Immune System, organism-specific biosystem; Inflammatory Response Pathway, organism-specific biosystem; Natural killer cell mediated cytotoxicity, organism-specific biosystem; Natural killer cell mediated cytotoxicity, conserved biosystem;

Function

ATP binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein binding; protein tyrosine kinase activity; protein tyrosine kinase activity; protein tyrosine kinase activity;