



Rabbit anti-Human ITK Polyclonal antibody (CPBT-37992RH)

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

PRODUCT INFORMATION

Product Overview	Rabbit Polyclonal antibody to Human ITK.
Antigen Description	This gene encodes an intracellular tyrosine kinase expressed in T-cells. The protein contains both SH2 and SH3 domains which are often found in intracellular kinases. It is thought to play a role in T-cell proliferation and differentiation.
Specificity	T-cell lines and natural killer cell lines.
Immunogen	Synthetic peptide conjugated to KLH selected from a sequence within amino acids 100-200 of human ITK.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein G purified
Conjugate	Unconjugated
Applications	WB, ELISA
Sequence Similarities	Belongs to the protein kinase superfamily. Tyr protein kinase family. TEC subfamily. Contains 1 Btk-type zinc finger. Contains 1 PH domain. Contains 1 protein kinase domain. Contains 1 SH2 domain. Contains 1 SH3 domain.
Cellular Localization	Cell membrane. Localizes to cell surface receptors in the plasma membrane after stimulation with respective receptors (TCR, CD28, CD2) in T-cells.
Format	Liquid

Size	100 µg
Buffer	Preservative: 0.09% Sodium AzideConstituents: PBS
Preservative	0.09% Sodium Azide
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	ITK IL2-inducible T-cell kinase [Homo sapiens]
Official Symbol	ITK
Synonyms	ITK; IL2-inducible T-cell kinase; tyrosine-protein kinase ITK/TSK; EMT; LYK; PSCTK2; EMT; Homolog of mouse T cell itk/tsk; IL2 inducible T cell kinase; Itk; ITK_HUMAN; Kinase EMT; LYK; MGC126257; MGC126258; PSCTK 2; PSCTK2; T cell specific kinase; T-cell-specific kinase; TSK; Tyrosine protein kinase; Tyrosine protein kinase ITK/TSK; Tyrosine protein kinase Lyk; Tyrosine-protein kinase ITK/TSK; Tyrosine-protein kinase Lyk; kinase EMT; OTTHUMP00000160737; T-cell-specific kinase; tyrosine-protein kinase LYK; homolog of mouse T-cell itk/tsk;
Entrez Gene ID	3702
Protein Refseq	NP_005537
UniProt ID	Q08881
Chromosome Location	5q31-q32
Pathway	Adaptive Immune System, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class I PI3K signaling events, organism-specific biosystem; Fc-epsilon receptor I signaling in mast cells, organism-specific biosystem; Generation of second messenger molecules, organism-specific biosystem; Immune System, organism-specific biosystem; Leukocyte transendotherli
Function	ATP binding; metal ion binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein binding;