



IBTK Monoclonal Antibody

Catalog No	YP-mAb-05028
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	IBTK BTKI KIAA1417
Immunogen	Synthesized peptide derived from human protein . at AA range: 410-490
Specificity	IBTK Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	BTBD26;BTKI;KIAA1417;RP1 93K22.1;IBTK;IBTK BTKI KIAA1417;Inhibitor of Bruton tyrosine kinase (IBtk)
Observed Band	14-16kDa
Calculated Molecular Weight	148kD
Cell Pathway	Cytoplasm. Membrane; Peripheral membrane protein. Translocates to the plasma membrane upon IgM stimulation.; [Isoform 2]: Nucleus.
Tissue Specificity	Expressed in DeFew, HEK293T, HeLa and in Jurkat, MC3 and NB4 lymphoid cells (at protein level). Isoform 1 is the predominant isoform expressed in all examined tissues and cell lines. Highly expressed in hemopoietic tissues (fetal liver, spleen, lymph node, thymus, peripheral blood leukocytes and bone marrow). Weakly or not expressed in other tissues.
Function	function:Acts as an inhibitor of BTK tyrosine kinase activity, thereby playing a role in B-cell development. Down-regulates BTK kinase activity, leading to interference with BTK-mediated calcium mobilization and NF-kappa-B-driven transcription.,similarity:Contains 2 BTB (POZ) domains.,similarity:Contains 3 ANK repeats.,similarity:Contains 3 RCC1 repeats.,subcellular location:Translocates to the plasma membrane upon IgM stimulation., subunit:Interacts with the PH domain of BTK.,tissue specificity:Highly expressed



in hemopoietic tissues (fetal liver, spleen, lymph node, thymus, peripheral blood leukocytes and bone marrow). Weakly or not expressed in other tissues.,

Background

Bruton tyrosine kinase (BTK) is a protein tyrosine kinase that is expressed in B cells, macrophages, and neutrophils. The protein encoded by this gene binds to BTK and downregulates BTK's kinase activity. In addition, the encoded protein disrupts BTK-mediated calcium mobilization and negatively regulates the activation of nuclear factor-kappa-B-driven transcription. This gene has a pseudogene on chromosome 18. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2014],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images