



ITK Monoclonal Antibody

Catalog No	YP-mAb-10871
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ITK EMT LYK
Immunogen	Synthesized peptide derived from human ITK AA range: 450-530
Specificity	This antibody detects endogenous levels of human ITK
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA 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	Kinase EMT;Interleukin-2-inducible T-cell kinase;IL-2-inducible T-cell kinase;IL2 inducible T cell kinase;ITK;ITK EMT LYK;Tyrosine-protein kinase ITK/TSK (EC 2.7.10.2;T-cell-specific kinase;Tyrosine-protein kinase Lyk)
Observed Band	72kD
Calculated Molecular Weight	72kD
Cell Pathway	Cytoplasm . Nucleus . Localizes in the vicinity of cell surface receptors in the plasma membrane after receptor stimulation.
Tissue Specificity	T-cell lines and natural killer cell lines.
Function	catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,cofactor:Binds 1 zinc ion per subunit.,function:Plays a role in T-cell proliferation and differentiation.,induction:By interleukin-2.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. TEC subfamily.,similarity:Contains 1 Btk-type zinc finger.,similarity:Contains 1 PH domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 SH2 domain.,similarity:Contains 1 SH3 domain.,subcellular location:Localizes to cell surface receptors in the plasma membrane after stimulation with respective receptors (TCR, CD28, CD2) in T-cells.,tissue specificity:T-cell lines and natural killer cell lines.,

**Background**

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. [provided by RefSeq, Jul 2008],

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