

ITK Polyclonal Antibody

Catalog No :	YT6225
Reactivity :	Human;Mouse
Applications :	IHC;IF;WB
Target :	ITK
Fields :	>>Chemokine signaling pathway;>>T cell receptor signaling pathway;>>Leukocyte transendothelial migration
Gene Name :	ITK EMT LYK
Protein Name :	ITK
Human Gene Id :	3702
Human Swiss Prot No :	Q08881
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 :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:50-200, WB 1:500-2000. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	72kD

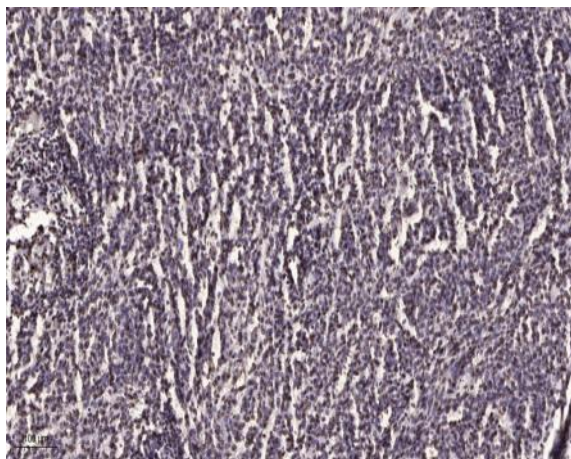
Background : This gene encodes an intracellular tyrosine kinase expressed in T-cells. The protein contains both SH2 and SH3 domains which are often found in intracellular kinases. It is thought to play a role in T-cell proliferation and differentiation. [provided by RefSeq, Jul 2008],

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.,

Subcellular Location : Cytoplasm . Nucleus . Localizes in the vicinity of cell surface receptors in the plasma membrane after receptor stimulation.

Expression : T-cell lines and natural killer cell lines.

Products Images



Immunohistochemical analysis of paraffin-embedded human brain tumor. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).