



## Rabbit Anti-ITK antibody

SL2784R

<b>Product Name:</b>	ITK
<b>Chinese Name:</b>	IL-2诱导型T细胞激酶抗体
<b>Alias:</b>	EMT; Homolog of mouse T cell itk/tsk; IL2 inducible T cell kinase; Kinase EMT; LYK; MGC126257; MGC126258; PSCTK 2; PSCTK2; T cell specific kinase; TSK; Tyrosine protein kinase; Tyrosine protein kinase ITK/TSK; Tyrosine protein kinase Lyk; ITK HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	68kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human ITK/PSCTK2:101-200/620
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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:**

Plays a role in T-cell proliferation and differentiation.

**Subcellular Location:**

Cell membrane. 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.

**DISEASE:**

Defects in ITK are the cause of lymphoproliferative syndrome EBV-associated autosomal type 1 (LPSA1) [MIM:613011]. LPSA1 is a rare immunodeficiency characterized by extreme susceptibility to infection with Epstein-Barr virus (EBV). Inadequate immune response to EBV can have a fatal outcome. Clinical features include splenomegaly, lymphadenopathy, anemia, thrombocytopenia, pancytopenia, recurrent infections. There is an increased risk for lymphoma.

**Similarity:**

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.

**SWISS:**

Q08881

**Gene ID:**

3702

**Database links:**

[Entrez Gene: 3702](#)Human

[Entrez Gene: 16428](#)Mouse

[Entrez Gene: 363577](#)Rat

[Omir: 186973](#)Human

[SwissProt: Q08881](#)Human

[SwissProt: Q03526](#)Mouse

[Unigene: 558348](#)Human

[Unigene: 339927](#)Mouse

[Unigene: 145244](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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