

Product Name: Phospho-ITK (Tyr512) Rabbit Polyclonal Antibody**Catalog #: APRab00942**

For research use only.

Summary

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|----------------------|--|
| Description | Rabbit polyclonal Antibody |
| Host | Rabbit |
| Application | WB,IHC,ELISA |
| Reactivity | Human,Mouse |
| Conjugation | Unconjugated |
| Modification | Phosphorylated |
| Isotype | IgG |
| Clonality | Polyclonal |
| Form | Liquid |
| Concentration | 1mg/ml |
| Storage | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| Shipping | Ice bags |
| Buffer | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3. |
| Purification | Affinity Purification |

Application

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|-------------------------|---|
| Dilution Ratio | WB 1:500-1:1000,IHC 1:50-1:100,ELISA 1:5000-1:20000 |
| Molecular Weight | Calculated MW: 72 kDa; Observed MW: 72 kDa |

Antigen Information

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|--------------------------|--|
| Gene Name | ITK |
| Alternative Names | ITK; EMT; LYK; Tyrosine-protein kinase ITK/TSK; Interleukin-2-inducible T-cell kinase; IL-2-inducible T-cell kinase; Kinase EMT; T-cell-specific kinase; Tyrosine-protein kinase Lyk |
| Gene ID | 3702 |
| SwissProt ID | Q08881 |
| Immunogen | The antiserum was produced against synthesized peptide derived from human ITK around the phosphorylation site of Tyr512. AA range:478-527 |

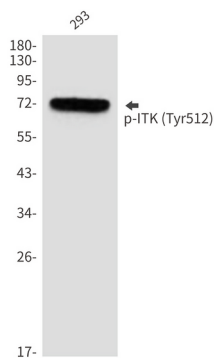
Background

Interleukin-2 inducible T-cell kinase (Itk, Emt or Tsk) is a member of the non-receptor protein tyrosine kinases. Family members of Itk include Tec, Btk, Rlk and Bmx and are all defined by a common structure: an amino-terminal PH domain, a Tec-homology domain and a SH3 and SH2 domain followed by a carboxy-terminal kinase domain. Tec, Rlk and Itk are expressed in T cells and activated in response to T cell receptor (TCR) engagement.

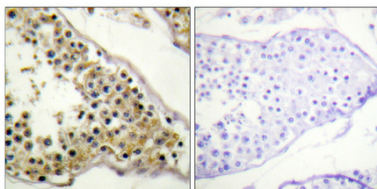
Research Area

Signal Transduction

Image Data



Western blot analysis of Phospho-ITK (Tyr512) in 293 lysates using Phospho-ITK (Tyr512) antibody.



Immunohistochemistry analysis of paraffin-embedded Human testis using Phospho-ITK (Tyr512) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Sample with blocking peptide on the right.