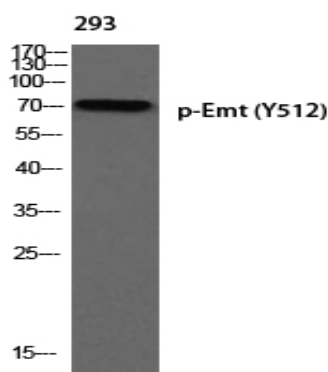


Emt (phospho Tyr512) Polyclonal Antibody

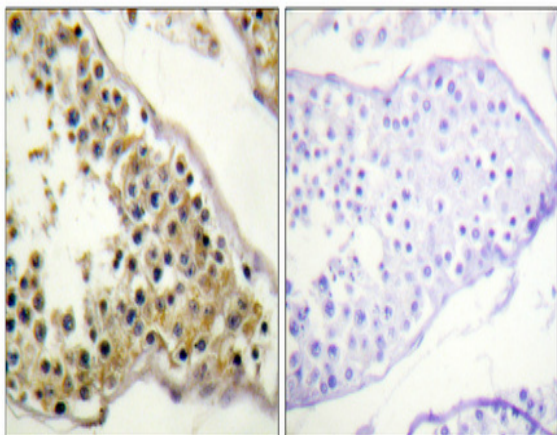
Catalog No :	YP1004
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	Emt
Fields :	>>Chemokine signaling pathway;>>T cell receptor signaling pathway;>>Leukocyte transendothelial migration
Gene Name :	ITK
Protein Name :	Tyrosine-protein kinase ITK/TSK
Human Gene Id :	3702
Human Swiss Prot No :	Q08881
Mouse Gene Id :	16428
Mouse Swiss Prot No :	Q03526
Immunogen :	The antiserum was produced against synthesized peptide derived from human ITK around the phosphorylation site of Tyr512. AA range:478-527
Specificity :	Phospho-Emt (Y512) Polyclonal Antibody detects endogenous levels of Emt protein only when phosphorylated at Y512.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ,IHC 1:100 - 1:300. ELISA: 1:5000.. 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
Cell Pathway :	Chemokine;T_Cell_Receptor;Leukocyte transendothelial migration;
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



Western blot analysis of 293 using p-Emt (Y512) antibody.



Immunohistochemical analysis of paraffin-embedded Human testis. Antibody was diluted at 1:100 (4° overnight). High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.