Immunoway
Best Tools for immunology Research

Lsk Monoclonal Antibody

Catalog No :	YM0423
Reactivity :	Human
Applications :	WB;FCM;ELISA
Target :	Lsk
Fields :	>>Neurotrophin signaling pathway
Gene Name :	MATK
Protein Name :	Megakaryocyte-associated tyrosine-protein kinase
Human Gene Id :	4145
Human Swiss Prot No :	P42679
Mouse Swiss Prot No :	P41242
Immunogen :	Purified recombinant fragment of human Lsk expressed in E. Coli.
Specificity :	Lsk Monoclonal Antibody detects endogenous levels of Lsk protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:500 - 1:2000. Flow cytometry: 1:200 - 1:400. ELISA: 1:10000. Not yet tested in other applications.
Purification :	Affinity purification
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 56kD

P References :

1. Int J Oncol. 2002 Jul;21(1):197-205.
2. Proc Natl Acad Sci U S A. 2002 Dec 24;99(26):16899-903.
3. Nat Genet. 2004 Jan;36(1):40-5.

Background : The protein encoded by this gene has amino acid sequence similarity to Csk tyrosine kinase and has the structural features of the CSK subfamily: SRC homology SH2 and SH3 domains, a catalytic domain, a unique N terminus, lack of myristylation signals, lack of a negative regulatory phosphorylation site, and lack of an autophosphorylation site. This protein is thought to play a significant role in the signal transduction of hematopoietic cells. It is able to phosphorylate and inactivate Src family kinases, and may play an inhibitory role in the control of T-cell proliferation. This protein might be involved in signaling in some cases of breast cancer. Three alternatively spliced transcript variants that encode different isoforms have been described for this gene. [provided by RefSeq, Jul 2008],

Function : catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,function:Could play a significant role in the signal transduction of hematopoietic cells. May regulate tyrosine kinase activity of SRC-family members in brain by specifically phosphorylating their C-terminal regulatory tyrosine residue which acts as a negative regulatory site. It may play an inhibitory role in the control of T-cell proliferation.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. CSK subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 SH2 domain.,similarity:Contains 1 SH3 domain.,tissue specificity:Expressed in various myeloid cell lines, detected in brain and lung.,

Subcellular Location : Cytoplasm . Membrane . In platelets, 90% of MATK localizes to the membrane fraction, and translocates to the cytoskeleton upon thrombin stimulation.

Expression : Expressed in various myeloid cell lines, detected in brain and lung.

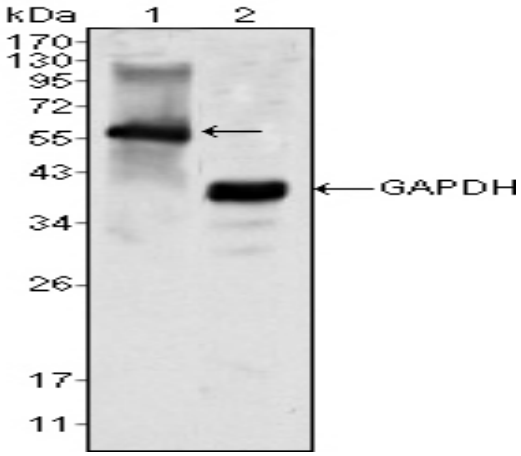
Sort : 9271

No4 : 1

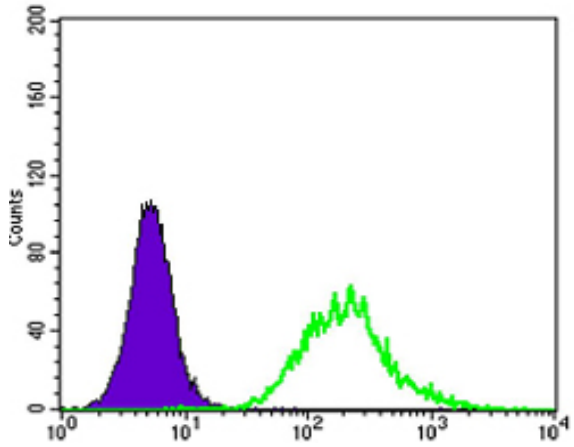
Host : Mouse

Modifications : Unmodified

Products Images



Western Blot analysis using Lsk Monoclonal Antibody against K562 cell lysate (1).



Flow cytometric analysis of K562 cells using Lsk Monoclonal Antibody (green) and negative control (purple).