ARG40470
anti-MATK antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MATK
Tested Reactivity	Ms
Predict Reactivity	Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MATK
Species	Mouse
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 477-505 of Mouse MATK.
Conjugation	Un-conjugated
Alternate Names	Megakaryocyte-associated tyrosine-protein kinase; Hematopoietic consensus tyrosine-lacking kinase; HYLTK; CHK; HYL; Lsk; CSK homologous kinase; Protein kinase HYL; Tyrosine-protein kinase CTK; EC 2.7.10.2; HHYLTK; CTK

Application Instructions

Application table

Application	Dilution
IHC-P	1:10 - 1:50
WB	1:1000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Mouse spleen
Observed Size	55 kDa

Properties

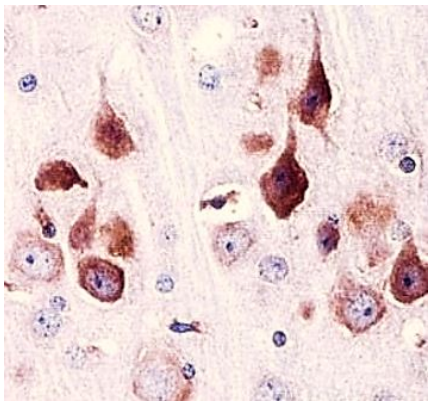
Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

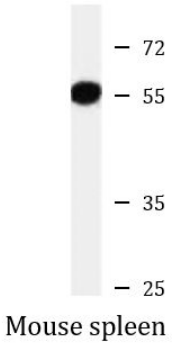
Gene Symbol	MATK
Gene Full Name	megakaryocyte-associated tyrosine kinase
Background	The protein encoded by this gene has amino acid sequence similarity to Csk tyrosine kinase and has the structural features of the CSK subfamily: SRC homology SH2 and SH3 domains, a catalytic domain, a unique N terminus, 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	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. [UniProt]
Calculated Mw	56 kDa
Cellular Localization	Cytoplasm. Membrane. Note=In platelets, 90% of MATK localizes to the membrane fraction, and translocates to the cytoskeleton upon thrombin stimulation. [UniProt]

Images



ARG40470 anti-MATK antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Mouse brain tissue stained with ARG40470 anti-MATK antibody.



ARG40470 anti-MATK antibody WB image

Western blot: 35 µg of Mouse spleen tissue lysate stained with ARG40470 anti-MATK antibody.