

Rabbit MATK Polyclonal Antibody | anti-MATK antibody

MATK Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325401	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MATK; Polyclonal Antibody; MATK Antibody; CHK; Csk homologous kinase; Csk type protein tyrosine kinase; CTK; DKFZp434N1212; EC 2.7.10.2; Hematopoietic consensus tyrosine lacking kinase; Hematopoietic consensus tyrosine-lacking kinase; HHYLTk; Hydroxyaryl protein kinase; HYL; HYL tyrosine kinase; HYLTK; Leukocyte carboxyl terminal src kinase related; Lsk; matk; MATK_HUMAN; Megakaryocyte associated tyrosine kinase; Megakaryocyte associated tyrosine protein kinase; Megakaryocyte-associated tyrosine-protein kinase; MGC1708; MGC2101; Protein kinase HYL; Tyrosine kinase MATK; Tyrosine protein kinase CTK; Tyrosine-protein kinase CTK; Tyrosylprotein kinase; anti-MATK antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MATK antibody detects endogenous levels of total MATK
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	508
Applicable Applications for anti-MATK antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm.
Tissue Specificity	Expressed in various myeloid cell lines, detected in brain and lung.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Dog, Chicken
Similarity	Pig (100%), Zebrafish (90%), Bovine (100%), Horse (100%), Dog (100%), Chicken (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from Jurkat cells, using MATK antibody.



IF (Immunofluorescence)
AAA325401 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



IHC (Immunohistochemistry)
AAA325401 at 1/100 staining Human brain cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts from Jurkat cells, using MATK antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MATK antibody	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. Subunit Structure: Interacts with KIT. Similarity: Belongs to the protein kinase superfamily. Tyr protein kinase family. CSK subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21450842
NCBI GeneID	4145
NCBI Accession #	NP_002369.2
NCBI GenBank Nucleotide #	NM_002378.3
UniProt Accession #	P42679; Q9NST8; B3KNZ9
Molecular Weight	Observed: 56 kD Predicted: 57 kDa
NCBI Official Full Name	megakaryocyte-associated tyrosine-protein kinase isoform b
NCBI Official Synonym Full Names	megakaryocyte-associated tyrosine kinase
NCBI Official Symbol	MATK
NCBI Official Synonym Symbols	CHK; CTK; HYL; Lsk; HYLTK; HHYLTk
NCBI Protein Information	megakaryocyte-associated tyrosine-protein kinase
UniProt Protein Name	Megakaryocyte-associated tyrosine-protein kinase
UniProt Gene Name	MATK
UniProt Synonym Gene Names	CTK; HYL; CHK

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

