MATK Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MATK, Polyclonal Antibody
Full Product Name	MATK (C-Term) (Mouse) Rabbit pAb
Product Gene Name	anti-MATK antibody
Product Synonym Names	Megakaryocyte-associated tyrosine-protein kinase; Protein kinase NTK; Tyrosine-protein kinase CTK; Matk; Ctk; Ntk
Clonality	Polyclonal
Isotype	Ig
Clone Number	RB34838
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied in PBS with 0.09% (W/V) Sodium Azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Affinity Purified
3D Structure	ModBase 3D Structure for P41242
Immunogen	This mouse Matk antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 477-505 amino acids from the C-terminal region of mouse Matk.
Cellular Localization	Cytoplasm, Membrane
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MATK antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-MATK antibody	WB: 1:1000 IHC: 1:10-50
Related Product Information for anti-MATK antibody	MBS8552268 is an antibody targeting MATK. Also known as MATK (C-Term) (Mouse) Rabbit pAb. Reactive in Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-MATK antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MATK. It may not necessarily be applicable to this product.

NCBI GI #	552953805
NCBI GeneID	17179
NCBI Accession #	NP_001272783.1
UniProt Primary Accession #	P41242
UniProt Related Accession #	P41242

GenBank Nucleotide #	NP_001272783.1
NCBI Official Full Name	megakaryocyte-associated tyrosine-protein kinase isoform 3
NCBI Official Synonym Full Names	megakaryocyte-associated tyrosine kinase
NCBI Official Symbol	Matk
NCBI Official Synonym Symbols	CHK; HYL; Ntk; p56ntk
UniProt Protein Name	Megakaryocyte-associated tyrosine-protein kinase
UniProt Synonym Protein Names	Protein kinase NTK; Tyrosine-protein kinase CTK
Protein Family	Maturase
UniProt Gene Name	Matk
UniProt Synonym Gene Names	Ctk; Ntk
UniProt Entry Name	MATK_MOUSE
NCBI Protein Information	megakaryocyte-associated tyrosine-protein kinase
UniProt Comments for MATK	CTK: a non-receptor tyrosine kinase. 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. Expressed in cancerous but not normal breast tissue; interacts with activated ERBB2 receptor and is likely to inhibit proliferation. Protein type: EC 2.7.10.2; Protein kinase, TK; Kinase, protein; Protein kinase, tyrosine (non-receptor); TK group; Csk family Cellular Component: extrinsic to internal side of plasma membrane; membrane; cytoplasm Molecular Function: transferase activity; protein-tyrosine kinase activity; transferase activity, transferring phosphorus-containing groups; nucleotide binding; non-membrane spanning protein tyrosine kinase activity; kinase activity; ATP binding; receptor binding; protein kinase activity Biological Process: cell migration; innate immune response; morphogenesis of an epithelium; cell differentiation; protein amino acid phosphorylation; phosphorylation; transmembrane receptor protein tyrosine kinase signaling pathway; regulation of cell proliferation
Research Articles on MATK	**1.** Matk plays a critical role in bone metabolism by impairing the functions of osteoclasts and osteoblasts via distinct mechanisms involving inhibition of c-Src-dependent and -independent signaling pathways.
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