

Rabbit MERTK Polyclonal Antibody | anti-MERTK antibody

MERTK Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA75816	Rabbit	Human, Mouse, Rat	Western Blot, Immunoprecipitation, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, ELISA

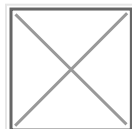
PRODUCT SYNONYMS

MERTK; Polyclonal Antibody; MERTK Antibody; c MER; c mer proto oncogene tyrosine kinase; Eyk; MER; MER receptor tyrosine kinase; MERK; MERPEN; MERTK; MERTK c-mer proto-oncogene tyrosine kinase; MGC133349; nmf12; Nyk; Proto oncogene tyrosine protein kinase MER; Proto-oncogene c-Mer; Receptor tyrosine kinase MerTK; RP38; STK kinase; Tyrosine-protein kinase Mer antibody; anti-MERTK antibody

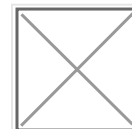
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Form/Format	Affinity Purified
Concentration	0.75 ug/ul in antibody stabilization buffer (varies by lot)
Sequence Length	994
Applicable Applications for anti-MERTK antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), ELISA, CM (Confocal Microscopy)
Immunogen	Synthetic peptide taken within amino acid region 100-200 on MerTK protein.
Immunoglobulin	IgG
Expression	Is expressed in many neoplastic B- and T-cells. Is expressed highly in testis, ovary, prostate, lung and kidney and is expressed at low levels in the spleen, small intestine, colon and liver.
Determinant	N-epitope
Molecular Function	Kinase, Receptor, Transferase, Tyrosine-protein kinase
Structure	Interacts with TNK2 upon activation. Interacts with extracellular ligands LGALS3, TUB, TULP1, and GAS6.
Subcellular Location	Membrane; Single-pass type I membrane protein
Preparation and Storage	-20• degree C for long term storage

IMAGES



WB (Western Blot)



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-MERTK antibody	Affinity Purified Human cellular proto-oncogene (c-mer) mRNA Antibody N-epitope Receptor tyrosine kinase that transduces signals from the extracellular matrix into the cytoplasm by binding to several ligands including LGALS3, TUB, TULP1 or GAS6. Regulates many physiological processes including cell survival, migration, differentiation, and phagocytosis of apoptotic cells (efferocytosis). Ligand binding at the cell surface induces autophosphorylation of MERTK on its intracellular domain that provides docking sites for downstream signaling molecules. Following activation by ligand, interacts with GRB2 or PLCG2 and induces phosphorylation of MAPK1, MAPK2, FAK/PTK2 or RAC1. MERTK signaling plays a role in various processes such as macrophage clearance of apoptotic cells, platelet aggregation, cytoskeleton reorganization and engulfment. Functions in the retinal pigment epithelium (RPE) as a regulator of rod outer segments fragments phagocytosis. Plays also an important role in inhibition of Toll-like receptors (TLRs)-mediated innate immune response by activating STAT1, which selectively induces production of suppressors of cytokine signaling SOCS1 and SOCS3 (By similarity).
Product Categories/Family for anti-MERTK antibody	Primary Antibodies; Protein Kinases; MERTK Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	12738847
NCBI GeneID	65037
NCBI Accession #	NP_075232
NCBI GenBank Nucleotide #	NM_022943.1
UniProt Accession #	Q12866; P57097
Molecular Weight	109,423 Da
NCBI Official Full Name	tyrosine-protein kinase Mer
NCBI Official Synonym Full Names	MER proto-oncogene, tyrosine kinase
NCBI Official Symbol	Mertk
NCBI Official Synonym Symbols	rdy
NCBI Protein Information	tyrosine-protein kinase Mer
UniProt Protein Name	Tyrosine-protein kinase Mer
UniProt Gene Name	Mertk
UniProt Synonym Gene Names	Mer
UniProt Entry Name	MERTK_RAT

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mertk-antibody-western-blot-immunoprecipitation-immunohistochemistry-immunofluorescence-immunocytochemistry-flow-cytometry-confocal-microscopy-elisa/75816>