

Rabbit Phospho-MERTK Polyclonal Antibody | anti-MERTK antibody

Phospho-MERTK Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA75659	Rabbit	Human, Monkey, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

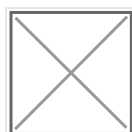
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey, Mouse, Rat
Clonality	Polyclonal
Form/Format	Affinity Purified Immunoglobulins
Sequence Length	994
Applicable Applications for anti-MERTK antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Immunogen	Phosphorylated Synthetic peptide corresponding to unique amino acid sequence on MERTK.
Preparation and Storage	Store at -20°C for long term storage

IMAGES



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-MERTK antibody	Tyrosine kinase activity is critical for transducing mitogenic signals inside the cells. Many of these tyrosine kinase proteins and receptors undergo auto-phosphorylation for the regulation of their activity. Such auto phosphorylation takes place at multiple sites and results in to phosphorylation of cellular substrates. The Nyk receptor tyrosine kinase was identified by screening human glioma expression library with an anti-Phospho tyrosine antibody. The same kinase was also independently identified and cloned by Graham and coworkers and they referred it as Mer. Chicken homologues for this gene are also identified as c-eyk. The Nyk/Mertk/c-eyk are the newest members of the Ufo/Axl family of receptor tyrosine kinases which are characterized by the presence of NCAM-like extra-cellular regions with 2 IgG-like domains juxtaposed with 2 fibronectin III-like regions. It is been shown that MERTK/Nyk has a strong mitogenic and transforming potential by activating PI 3 kinase, PLCgamma, MAP-kinase pathways. The auto-phosphorylation of MERTK was mapped on triptych peptide containing amino acids 700-780. The three tyrosine residues lay in the tyrosine kinase domain between sub-domains VII and VIII. It has been shown that kinase activity correlates with auto phosphorylation of MERTK and that mutation of this tyrosine severely crippled the kinase activity. Auto phosphorylation of these regions appears to be a common mechanism for several tyrosine kinases, however, the subtle differences in the pattern of phosphorylation was noted in various other kinase systems. It is also notes that preferable substrate for auto phosphorylation in MERTK is the tyrosine 754, substitution mutation to Phenylalanine exhibited a 90% decrease in auto phosphorylation of MERTK compared to wild type protein The receptor tyrosine kinase MERTK protein is approximately a 175-210 kDa protein. The MERTK protein has a tyrosine kinase domain closer to the C-terminal region and putative phosphorylation sites. The Anti-Phospho-MERTK-selective antibody was generated against phospho-tyrosine containing peptide from a conserved sequence near the C-terminal end that is unique to MERTK/Nyk protein only. Phospho-specific antibodies were isolated on immobilized phospho and non-phospho antigen affinity matrices. FabGennix also has fully characterized, epitope specific non-phospho-MERTK selective antibodies (MKT-101AP, MKT-112AP and MKT-121AP) in affinity-purified form for confocal, Western blotting and immuno cytochemical analysis. FITC-Conjugated antibodies are available, and antibodies can be conjugated to other fluorescent probes at an extra charge. Western blot positive controls for (PC-PMKT) are available in ready-to-use SDS sample buffer. Synthetic peptide (P-PMKT) is also available for immunodepletion/immunocompetition studies.
Product Categories/Family for anti-MERTK antibody	Primary Antibodies; Neuroscience; Neurotransmission; Phospho-MERTK Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	12738847
NCBI GeneID	65037
NCBI Accession #	NP_075232.1
NCBI GenBank Nucleotide #	NM_022943.1
UniProt Accession #	P57097
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/phospho-mertk-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/75659>