



Anti-MERTK polyclonal antibody [Biotin] (DPABY-544)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description Axl (Ufo, Ark), Dtk (Sky, Tyro3, Rse, Brt) and Mer (human and mouse orthologs of chicken c-Eyk) constitute the TAM receptor tyrosine kinase subfamily. This RTK subfamily is characterized by an extracellular domain that consists of two Ig-like motifs and two fibronectin type III motifs. These receptors bind the vitamin K-dependent protein Growth Arrest Specific Gene 6 (Gas6). Receptor activation leads to cell proliferation, migration, or the prevention of apoptosis. Cellular signaling through this family of RTKs is involved in hematopoiesis, embryonic development, tumorigenesis, and spermatogenesis.

Specificity Detects human Mer in ELISAs and Western blots. In sandwich immunoassays, approximately 6% cross-reactivity with recombinant mouse Mer is observed, and less than 0.3% cross-reactivity with recombinant human (rh) Axl is observed.

Immunogen S. frugiperda insect ovarian cell line Sf 21-derived recombinant human Mer. Arg26-Ala499 Accession Number Q12866

Isotype IgG

Source/Host Goat

Species Reactivity Human

Purification Antigen Affinity-purified

Conjugate Biotin

Applications Western Blot, ELISA Detection (Matched Pair)

Format Liquid

Size 50 µg

Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	MERTK MER proto-oncogene, tyrosine kinase [Homo sapiens (human)]
Official Symbol	MERTK
Synonyms	MERTK; MER proto-oncogene, tyrosine kinase; MER; RP38; c-mer; tyrosine-protein kinase Mer; STK kinase; proto-oncogene c-Mer; MER receptor tyrosine kinase; receptor tyrosine kinase MerTK; c-mer proto-oncogene tyrosine kinase;
Entrez Gene ID	10461
Protein Refseq	NP_006334
UniProt ID	Q12866
Chromosome Location	2q14.1
Pathway	Cell surface interactions at the vascular wall; Hemostasis;
Function	ATP binding; protein binding; transmembrane receptor protein tyrosine kinase activity;