



# Rabbit Anti-Human MERTK monoclonal antibody, clone TS30-18 (CABT-L578)

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

## PRODUCT INFORMATION

<b>Target</b>	MERTK
<b>Immunogen</b>	Recombinant protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	TS30-18
<b>Purification</b>	Protein A purified.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC, IP
<b>Molecular Weight</b>	188 kDa
<b>Cellular Localization</b>	Membrane
<b>Positive Control</b>	293, human tonsil tissue.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
<b>Preservative</b>	0.05% Sodium Azide

**Storage**

Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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## BACKGROUND

**Introduction**

MerTK, also called c-Mer, is a member of the Mer/Axl/Tyro3 receptor kinase family. It is a 984 residue transmembrane protein made up of one tyrosine kinase domain, two Fibronectin type-III domains and two immunoglobulin-like C2-type domains. MerTK is the mammalian ortholog of the chicken retroviral oncogene product v-Eyk. This protein plays a critical role in macrophage activation, platelet aggregation, clot stability and the efficient removal of apoptotic cells. Specifically, MerTK acts as a signaling molecule, triggering outer segment ingestion in the retinal pigment epithelium (RPE) phagocytic process. Evidence suggests that MerTK signals via interaction with phosphatidylinositol-specific phospholipase C 2 (PI-PLC 2). When the gene encoding for MerTK is mutated, the RPE phagocytosis pathway is disrupted and autosomal recessive retinitis pigmentosa (RP) may result, leading to degeneration of retinal photoreceptor cells.

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**Keywords**

c MER;c mer proto oncogene tyrosine kinase;c-mer;cMER;cmer protooncogene tyrosine kinase;Eykc;MER;MER receptor tyrosine kinase;MERK;MERPEN;Mertk;MERTK c-mer proto-oncogene tyrosine kinase;MERTK\_HUMAN;MGC133349;nmf12;Nyk;Proto oncogene tyrosine protein kinase MER;Proto oncogene tyrosine protein kinase MER precursor;Proto-oncogene c-Mer;Receptor tyrosine kinase MerTK;RP38;STK kinase;Tyrosine-protein kinase Mer antibody

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## GENE INFORMATION

**Entrez Gene ID**

[10461](#)

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**UniProt ID**

[Q12866](#)

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