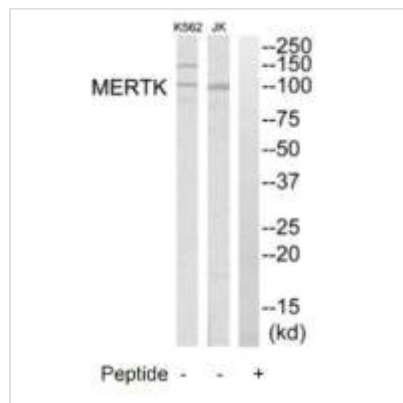




MERTK Antibody

Product Code	CSB-PA253602
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q12866
Immunogen	Synthesized peptide derived from N-terminal of Human MERTK.
Raised In	Rabbit
Species Reactivity	Human
Specificity	The antibody detects endogenous levels of total MERTK protein.
Tested Applications	ELISA,WB;WB:1:500-1:3000
Relevance	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. Graham D.K., Cell Growth Differ. 5:647-657(1994). Gal A., Nat. Genet. 26:270-271(2000). Hillier L.W., Nature 434:724-731(2005).
Form	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Alias	C-mer; kinase Mer; MERK; MERTK; proto-oncogene tyrosine-protein kinase MER precursor
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	MERTK
Image	



Western blot analysis of extracts from K562 cells and Jurkat cells, using MERTK antibody.