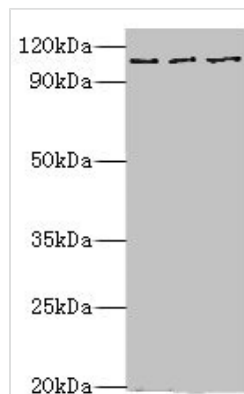




MERTK Antibody

Product Code	CSB-PA621519ESR2HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q12866
Immunogen	Recombinant Human Tyrosine-protein kinase Mer protein (840-999AA)
Raised In	Rabbit
Species Reactivity	Human, Mouse
Tested Applications	ELISA, WB, IHC; Recommended dilution: WB:1:200-1:1000, IHC:1:20-1:200
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.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purification Method	Antigen Affinity Purified
Isotype	IgG
Clonality	Polyclonal
Alias	Tyrosine-protein kinase Mer (EC 2.7.10.1) (Proto-oncogene c-Mer) (Receptor tyrosine kinase MerTK), MERTK, MER
Species	Human
Research Area	Neuroscience
Target Names	MERTK
Image	



Western blot

All lanes: MERTK antibody at 10 μ g/ml

Lane 1: Mouse gonad tissue

Lane 2: Mouse lung tissue

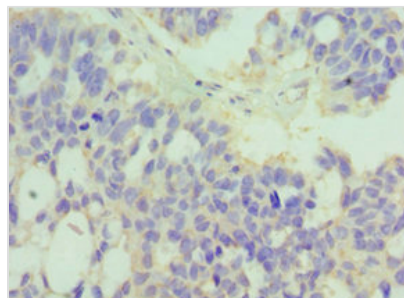
Lane 3: Mouse kidney tissue

Secondary

Goat polyclonal to rabbit IgG at 1/10000 dilution

Predicted band size: 110 kDa

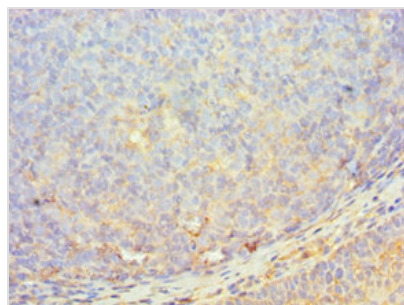
Observed band size: 110 kDa



Immunohistochemistry of paraffin-embedded

human endometrial cancer using CSB-

PA621519ESR2HU at dilution of 1:100



Immunohistochemistry of paraffin-embedded

human tonsil tissue using CSB-

PA621519ESR2HU at dilution of 1:100