

Datasheet for ABIN7174047
anti-MERTK antibody (AA 840-999)



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3 Images

Overview

Quantity:	100 µL
Target:	MERTK
Binding Specificity:	AA 840-999
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MERTK antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Tyrosine-protein kinase Mer protein (840-999AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antigen Affinity Purified

Target Details

Target:	MERTK
Alternative Name:	MERTK (MERTK Products)
Background:	Background: 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

Target Details

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.

Aliases: c MER antibody, c mer proto oncogene tyrosine kinase antibody, c-mer antibody, cMER antibody, cmer protooncogene tyrosine kinase antibody, Eyk antibody, MER antibody, MER receptor tyrosine kinase antibody, MERK antibody, MERPEN antibody, MERTK antibody, MERTK c-mer proto-oncogene tyrosine kinase antibody, MERTK_HUMAN antibody, MGC133349 antibody, nmf12 antibody, Nyk antibody, Proto oncogene tyrosine protein kinase MER antibody, Proto oncogene tyrosine protein kinase MER precursor antibody, Proto-oncogene c-Mer antibody, Receptor tyrosine kinase MerTK antibody, RP38 antibody, STK kinase antibody, Tyrosine-protein kinase Mer antibody

UniProt: [Q12866](#)

Pathways: [RTK Signaling](#)

Application Details

Application Notes: Recommended dilution: WB:1:200-1:1000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

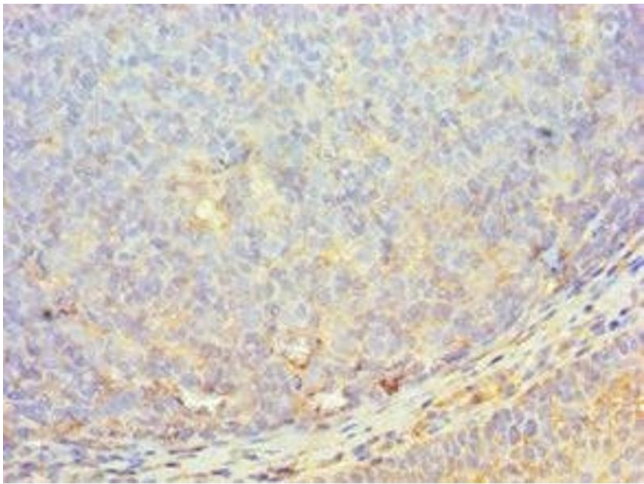
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

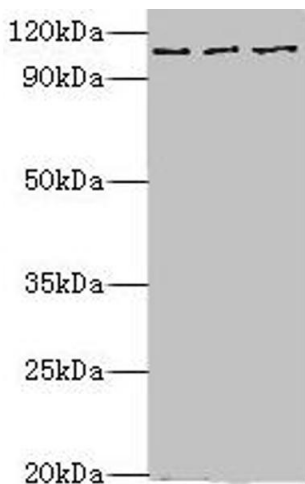
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



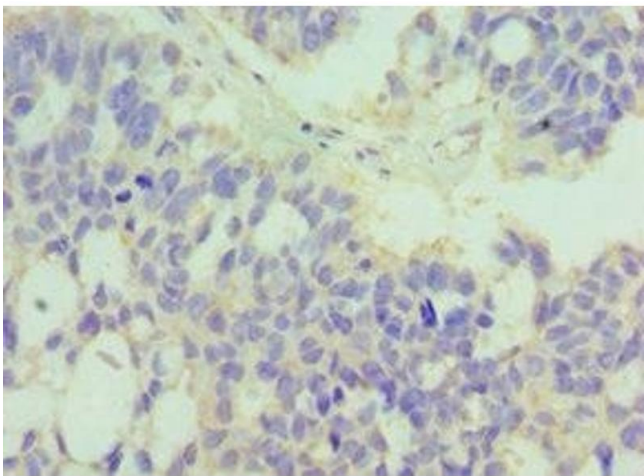
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human tonsil tissue using ABIN7174047 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: MERTK antibody at 10 µg/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

Image 3. Immunohistochemistry of paraffin-embedded human endometrial cancer using ABIN7174047 at dilution of 1:100