Datasheet for ABIN6243260
anti-MERTK antibody (C-Term)

2 Images

Overview

Quantity:	400 μL
Target:	MERTK
Binding Specificity:	AA 946-980, C-Term
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MERTK antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This Mouse Mertk antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 946-980 amino acids from the C-terminal region of mouse Mertk.
Clone:	RB50416
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	MERTK
Alternative Name:	Mertk (MERTK Products)
Background:	Receptor tyrosine kinase that transduces signals from the extracellular matrix into the

Target Details

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.

Molecular Weight:	110157
UniProt:	Q60805
Pathways:	RTK Signaling

Application Details

Application Notes:	WB: 1:2000. WB: 1:1000
Restrictions:	For Research Use only

Handling

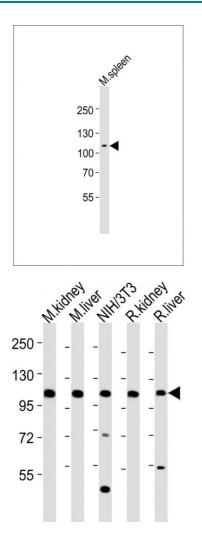|	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

Images