BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Mouse Mertk Antibody (C-term)

Catalog Number: M00489-1

About Mertk

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.

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Overview

Product Name	Anti-Mouse Mertk Antibody (C-term)
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-Mouse Mertk Antibody (C-term) (Catalog # M00489-1). Tested in WB application(s). This antibody reacts with Mouse, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q60805

Technical Details

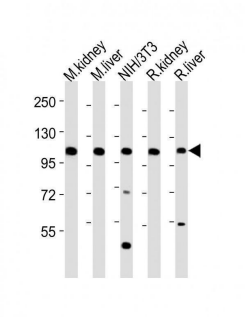
Immunogen	This Mouse Mertk antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 946-980 amino acids from the C-terminal region of mouse Mertk.

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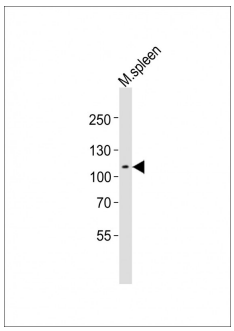
Predicted Reactive Species	Bovine, Mouse
Isotype	Rabbit IgG
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	WB: 1:1000 Tested Species: In-house tested species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

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Anti-Mouse Mertk Antibody (C-term) (M00489-1) Images



All lanes : Anti-Mertk Antibody (C-term) at 1:2000 dilutionLane 1: mouse kidney lysatesLane 2: mouse liver lysatesLane 3: NIH/3T3 whole cell lysatesLane 4: rat kidney lysatesLane 5: rat liver lysatesLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 110 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



Anti-Mertk Antibody (C-term) at 1:1000 dilution + mouse spleen lysatesLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 110 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

Anti-Mouse Mertk Antibody (C-term)

For Research Use Only. Not for use in diagnostic procedures.