

**Mouse Mertk Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21615b**

**Specification**

**Mouse Mertk Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q60805</a>
Reactivity	Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit Ig
Calculated MW	110157

**Mouse Mertk Antibody (C-term) - Additional Information**

**Gene ID** 17289

**Other Names**

Tyrosine-protein kinase Mer,  
Proto-oncogene c-Mer, Receptor tyrosine  
kinase MerTK, Mertk, Mer

**Target/Specificity**

This mouse Mertk antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 911-943 amino acids from the C-terminal region of mouse Mertk.

**Dilution**

WB~~1:2000

**Format**

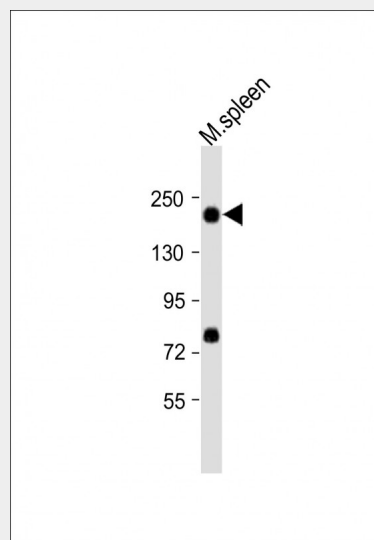
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

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.

**Precautions**

Mouse Mertk Antibody (C-term) is for research use only and not for use in



Anti-Mertk Antibody (C-term) at 1:2000 dilution + mouse spleen lysate  
Lysates/proteins at 20 µg per lane.  
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.  
Predicted band size : 110 kDa  
Blocking/Dilution buffer: 5% NFDM/TBST.

**Mouse Mertk Antibody (C-term) - 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 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

diagnostic or therapeutic procedures.

#### **Mouse Mertk Antibody (C-term) - Protein Information**

**Name** Mertk

**Synonyms** Mer

#### **Function**

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.

#### **Cellular Location**

Membrane; Single-pass type I membrane protein

#### **Tissue Location**

Expressed predominantly in the hematopoietic lineages: macrophages, NK cells, NKT cells, dendritic cells and platelets.

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.

#### **Mouse Mertk Antibody (C-term) - References**

Graham D.K.,et al.Oncogene 10:2349-2359(1995).  
Dowds C.A.,et al.Submitted (JAN-1996) to the EMBL/GenBank/DDBJ databases.  
Lu Q.,et al.Nature 398:723-728(1999).  
Georgescu M.M.,et al.Mol. Cell. Biol. 19:1171-1181(1999).  
Behrens E.M.,et al.Eur. J. Immunol. 33:2160-2167(2003).

#### **Mouse Mertk Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)