# .-online.com antibodies

# 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

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN6243260 | 09/10/2023 | Copyright antibodies-online. All rights reserved.

	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
Duranting of the	

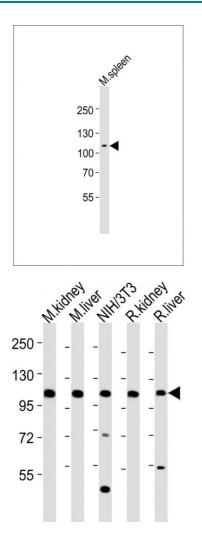
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Expiry Date: 6 months

4 °C,-20 °C

Storage:

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN6243260 | 09/10/2023 | Copyright antibodies-online. All rights reserved.



#### Western Blotting

**Image 1.** Anti-Mertk Antibody (C-term) at 1:1000 dilution + mouse spleen lysates 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.

#### Western Blotting

**Image 2.** All lanes : Anti-Mertk Antibody (C-term) at 1:2000 dilution Lane 1: mouse kidney lysates Lane 2: mouse liver lysates Lane 3: NIH/3T3 whole cell lysates Lane 4: rat kidney lysates Lane 5: rat liver lysates 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.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/3 | Product datasheet for ABIN6243260 | 09/10/2023 | Copyright antibodies-online. All rights reserved.