



# MerTK Rabbit mAb

<b>Catalog No</b>	YP-rAb-16943
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human,Mouse,Rat
<b>Applications</b>	WB,IHC,IF,ELISA
<b>Gene Name</b>	MERTK
<b>Protein Name</b>	Tyrosine-protein kinase Mer
<b>Purification Process</b>	Protein A
<b>Specificity</b>	Endogenous
<b>Formulation</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
<b>Source</b>	Monoclonal, Rabbit,IgG
<b>Dilution</b>	IHC 1:200-1:1000; WB 1:1000-1:5000; IF 1:200-1:1000; ELISA 1:5000-1:20000; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
<b>Concentration</b>	0.5 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-15° C to -25° C/1 year(Do not lower than -25° C)
<b>Synonyms</b>	MERTK ; MER ; Tyrosine-protein kinase Mer ; Proto-oncogene c-Mer ; Receptor tyrosine kinase MerTK
<b>Observed Band</b>	180kD
<b>Calculated Molecular Weight</b>	110kD
<b>Cell Pathway</b>	Cell membrane ; Single-pass type I membrane protein .
<b>Tissue Specificity</b>	Not expressed in normal B- and T-lymphocytes but is expressed in numerous neoplastic B- and T-cell lines. Highly expressed in testis, ovary, prostate, lung, and kidney, with lower expression in spleen, small intestine, colon, and liver.
<b>Function</b>	Catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate. Disease:Defects in MERTK are a cause of retinitis pigmentosa (RP) [MIM:268000]. RP that leads to degeneration of retinal photoreceptor cells. Patients typically have night vision blindness and loss of midperipheral visual field. As their condition progresses, they lose their far peripheral visual field and eventually central vision as well. Function:In case of filovirus infection, seems to function as a cell entry factor. online information:Retina International's Scientific Newsletter, similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. AXL/UFO subfamily. similarity:Contains 1 protein kinase domain. similarity:Contains 2 fibronectin type-III domains. similarity:Contains 2





Ig-like C2-type (immunoglobulin-like) domains.,tissue specificity:Not expressed in normal B- and T-lymphocytes but is expressed in numerous neoplastic B- and T-cell lines.,

### Background

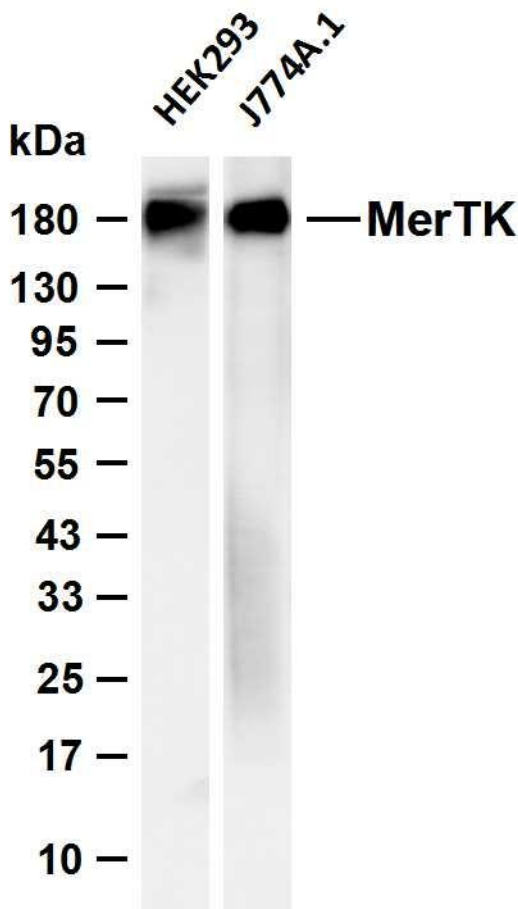
This gene is a member of the MER/AXL/TYRO3 receptor kinase family and encodes a transmembrane protein with two fibronectin type-III domains, two Ig-like C2-type (immunoglobulin-like) domains, and one tyrosine kinase domain. Mutations in this gene have been associated with disruption of the retinal pigment epithelium (RPE) phagocytosis pathway and onset of autosomal recessive retinitis pigmentosa (RP). [provided by RefSeq, Jul 2008],

### matters needing attention

Avoid repeated freezing and thawing!

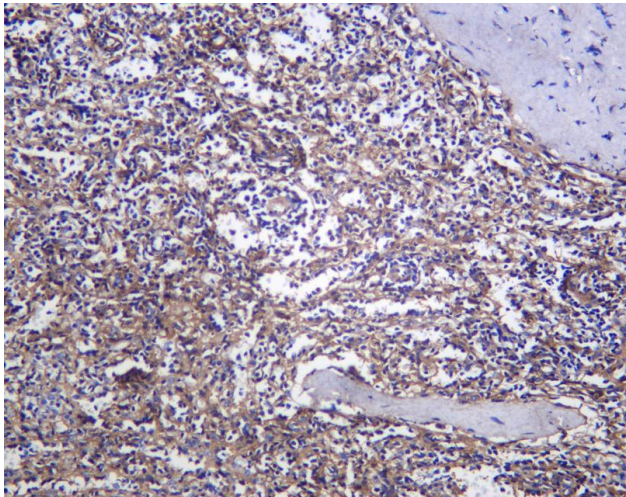
### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-MerTK antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HEK293 Lane 2: J774A.1 Predicted band size: 110kDa Observed band size: 180kDa





Human spleen was stained with anti-MerTK Rabbit antibody

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