

## MerTK Monoclonal Antibody

<b>Catalog No :</b>	YM0440
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	MerTK
<b>Gene Name :</b>	MERTK
<b>Protein Name :</b>	Tyrosine-protein kinase Mer
<b>Human Gene Id :</b>	10461
<b>Human Swiss Prot No :</b>	Q12866
<b>Mouse Swiss Prot No :</b>	Q60805
<b>Immunogen :</b>	Purified recombinant fragment of MerTK expressed in E. Coli.
<b>Specificity :</b>	MerTK Monoclonal Antibody detects endogenous levels of MerTK protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	Affinity purification
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	110kD
<b>P References :</b>	<ol style="list-style-type: none"><li>1. McGough N. Cummings JH. Proc Nutr Soc.2005, Nov,64(4):434-50. Review.</li><li>2. Allouache D. Gawande SR. Tubiana-Hulin M. et al. BMC Cancer. 2005, Nov 29,5:151.</li><li>3. Segueineau C. Soudant P. Moal J.</li></ol>

**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],

**Function :**

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 (imm

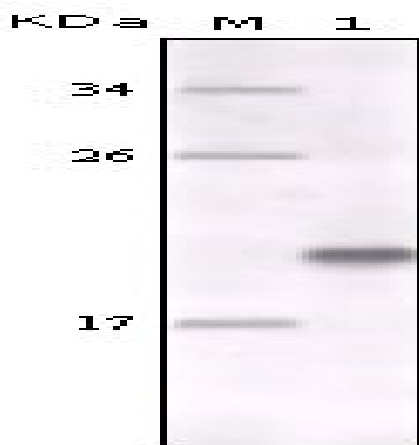
**Subcellular Location :**

Cell membrane ; Single-pass type I membrane protein .

**Expression :**

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.

## Products Images



Western Blot analysis using MerTK Monoclonal Antibody against full-length MerTK recombinant protein.