



MerTK Monoclonal Antibody

Catalog No	YP-Ab-14177
Isotype	IgG
Reactivity	Human
Applications	WB;ELISA
Gene Name	MERTK
Immunogen	Purified recombinant fragment of MerTK expressed in E. Coli.
Specificity	MerTK Monoclonal Antibody detects endogenous levels of MerTK protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	c mer;EC:2.7.10.1;MER;Proto oncogene c Mer;Proto-oncogene c-Mer;MerTK; Tyrosine-protein kinase Mer;Receptor tyrosine kinase MerTK
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Cell membrane ; Single-pass type I membrane protein .
Tissue Specificity	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.
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

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.

Products Images



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