MerTK/Tyro3 (Phospho Tyr753/685) Rabbit pAb

CatalogNo: YP1208

Key Features

Host Species	Reactivity	Applications
• Rabbit	• Human:Y753/Y685,Mouse:Y748/Y675,Rat:Y748/Y675	• WB,ELISA,IHC

MW	Isotype
• 110kD (Observed)	• IgG

Recommended Dilution Ratios

WB 1:500-2000
IHC 1:50-300
ELISA 1:2000-20000

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized phospho-peptide around the phosphorylation site of human MER/TYRO3 (Phospho-Tyr753/Tyr685)
Specificity	This antibody detects endogenous levels of MerTK/Tyro3 only when phosphorylated at Tyr753/Tyr685..The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):GDyYR

Target Information

Gene name MERTK/TYRO3

Protein Name Tyrosine-protein kinase Mer/Tyrosine-protein kinase receptor TYRO3

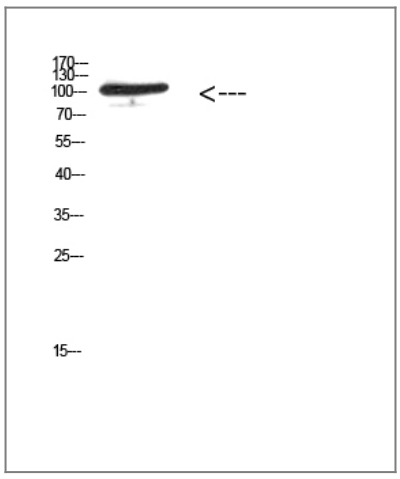
Organism	Gene ID	UniProt ID
Human	10461; 7301;	Q12866; Q06418;
Mouse	17289; 22174;	
Rat	65037; 25232;	P57097; P55146;

Cellular Localization Cell membrane ; Single-pass type I membrane protein .

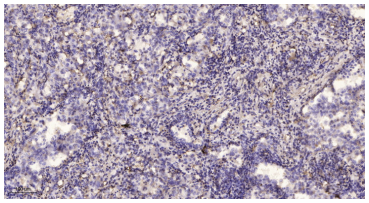
Tissue specificity Not expressed in normal B- and T-lymphocytes but is expressed in numerous neoplastic B- and T-cell lines. Highly expressed in testis, ovary, prostate, lung, and kidney, with lower expression in spleen, small intestine, colon, and liver.

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

Validation Data



Western Blot analysis of 293T cells using Antibody diluted at 500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human lung cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

Contact information

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Please scan the QR code to access additional product information: **MerTK/Tyro3 (Phospho Tyr753/685) Rabbit pAb**