

Datasheet for ABIN7139059  
**anti-MerTK/Tyro3 antibody (pTyr681, pTyr749)**



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	MerTK/Tyro3
Binding Specificity:	pTyr681, pTyr749
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MerTK/Tyro3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of tyrosine 749/681(K-I-Y(p)-S-G) derived from Human MER/SKY .
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using

Target Details

Target:	MerTK/Tyro3
Alternative Name:	MERTK/TYRO3 ( <a href="#">MerTK/Tyro3 Products</a> )

## Target Details

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Background:

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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).

Graham D.K., Cell Growth Differ. 5:647-657(1994).

Gal A., Nat. Genet. 26:270-271(2000).

Hillier L.W., Nature 434:724-731(2005).

Aliases: c MER antibody, c mer proto oncogene tyrosine kinase antibody, c-mer antibody, cMER antibody, cmer protooncogene tyrosine kinase antibody, Eyk antibody, MER antibody, MER receptor tyrosine kinase antibody, MERK antibody, MERPEN antibody, Mertk antibody, MERTK c-mer proto-oncogene tyrosine kinase antibody, MERTK\_HUMAN antibody, MGC133349 antibody, nmf12 antibody, Nyk antibody, Proto oncogene tyrosine protein kinase MER antibody, Proto oncogene tyrosine protein kinase MER precursor antibody, Proto-oncogene c-Mer antibody, Receptor tyrosine kinase MerTK antibody, RP38 antibody, STK kinase antibody, Tyrosine-protein kinase Mer antibody

UniProt:

[Q12866](#)

## Application Details

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Application Notes:

WB:1:500-1:1000, IHC:1:50-1:100,

Restrictions:

For Research Use only

## Handling

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Format:

Liquid

Buffer:

Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative:

Sodium azide

Precaution of Use:

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

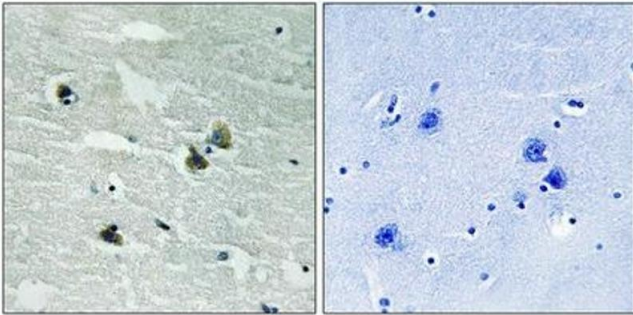
Storage:

-20 °C,-80 °C

## Handling

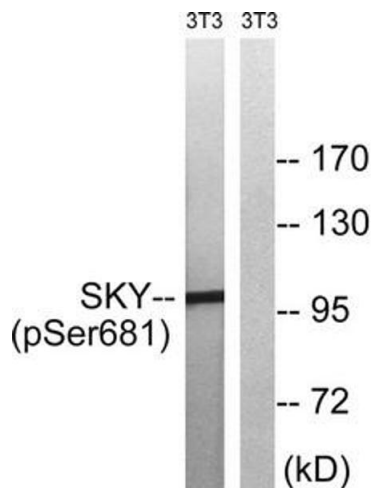
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## Images



### Immunohistochemistry

**Image 1.** Immunohistochemical analysis of paraffin-embedded human brain tissue using MER/SKY (Phospho-Tyr749/681) antibody (left) or the same antibody preincubated with blocking peptide (right).



### Western Blotting

**Image 2.** Western blot analysis of extracts from 3T3 cells treated with EGF using MER/SKY (Phospho-Tyr749/681) Antibody. The lane on the right is treated with the antigen-specific peptide.