



# MerTK/Tyro3 (phospho Tyr749/681) rabbit pAb

Cat No.:ES4477

For research use only

## Overview

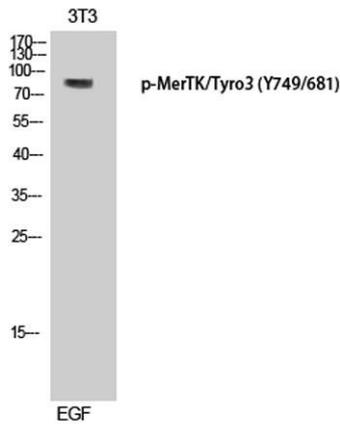
<b>Product Name</b>	MerTK/Tyro3 (phospho Tyr749/681) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human MER/SKY around the phosphorylation site of Tyr749/681. AA range:716-765
<b>Specificity</b>	Phospho-MerTK/Tyro3 (Y749/681) Polyclonal Antibody detects endogenous levels of MerTK/Tyro3 protein only when phosphorylated at Y749/681.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Tyrosine-protein kinase Mer/Tyrosine-protein kinase receptor TYRO3
<b>Gene Name</b>	MERTK/TYRO3
<b>Cellular localization</b>	Cell membrane ; Single-pass type I membrane protein .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	97kD
<b>Human Gene ID</b>	10461/7301
<b>Human Swiss-Prot Number</b>	Q12866/Q06418
<b>Alternative Names</b>	MERTK; MER; Tyrosine-protein kinase Mer; Proto-oncogene c-Mer; Receptor tyrosine kinase



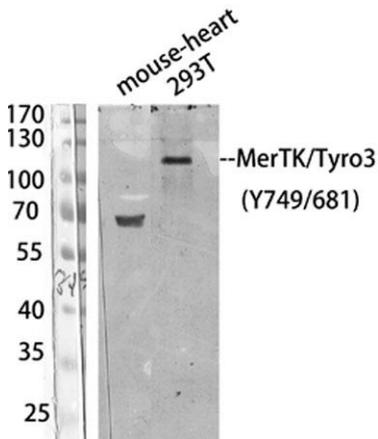


## Background

MerTK; TYRO3; BYK; DTK; RSE; SKY; Tyrosine-protein kinase receptor TYRO3; Tyrosine-protein kinase DTK; Tyrosine-protein kinase RSE; Tyrosine-protein kinase 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],



Western Blot analysis of 3T3 cells using Phospho-MerTK/Tyro3 (Y749/681) Polyclonal Antibody diluted at 1:500

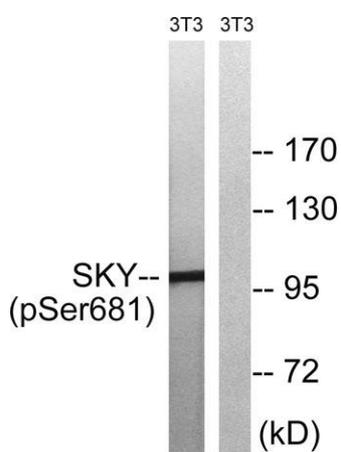
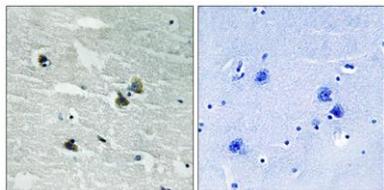


Western Blot analysis of 293T/mouse-heart using Antibody diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000





Immunohistochemistry analysis of paraffin-embedded human brain, using MER/SKY (Phospho-Tyr749/681) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from NIH/3T3 cells treated with EGF 200ng/ml 5', using MER/SKY (Phospho-Tyr749/681) Antibody. The lane on the right is blocked with the phospho peptide.

