

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

Cat No.:ES4477

For research use only

## Overview

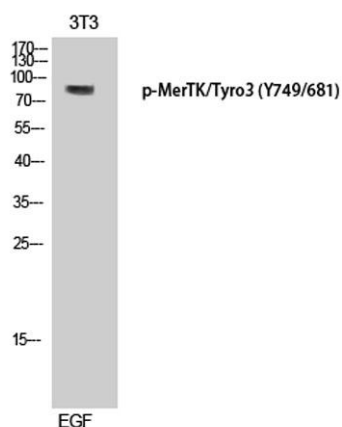
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|--------------------------|---|
| Product Name             | MerTK/Tyro3 (phospho Tyr749/681) rabbit pAb   |
| Host species             | Rabbit  |
| Applications             | WB;IHC;IF;ELISA   |
| Species Cross-Reactivity | Human;Mouse;Rat   |
|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



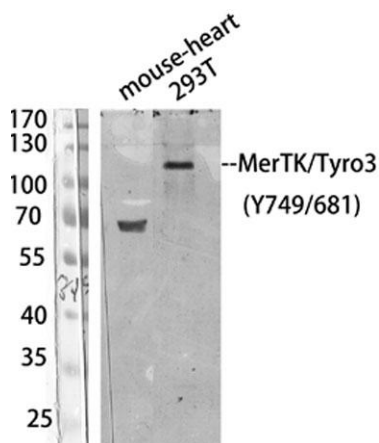


## Background

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

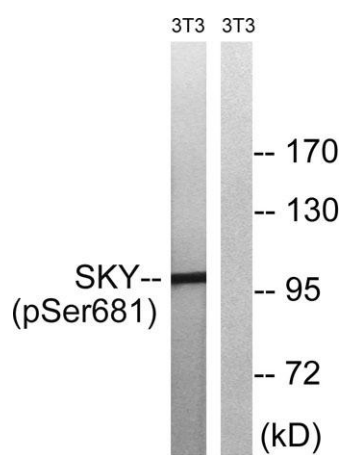
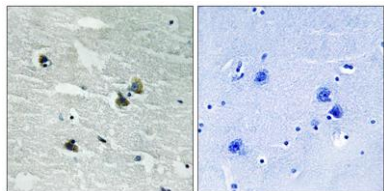


Western Blot analysis of 293T/mouse-heart using Antibody diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000





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.

