

Anti-MERTK/TYRO3 (Phospho-Y749/681) Antibody

Catalog #	Source	Reactivity	Applications
CPA5436	Rabbit	H, M, R, C, Z	WB, IH
Description	Rabbit polyclonal antibody to MERTK/TYRO3 (Phospho-Y749/681)		
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding Y749/681 of human MERTK/TYRO3 protein. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of MERTK/TYRO3 protein only when phosphorylated at Y749/681.		
Clonality	Polyclonal		
Conjugation			
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
Dilution	WB (1/500 - 1/2000), IH (1/50 - 1/200)		
Gene Symbol	MERTK; TYRO3		
Alternative Names	MERTK; MER; Tyrosine-protein kinase Mer; Proto-oncogene c-Mer; Receptor tyrosine kinase MerTK; TYRO3; BYK; DTK; RSE; SKY; Tyrosine-protein kinase receptor TYRO3; Tyrosine-protein kinase DTK; Tyrosine-protein kinase RSE; Tyrosine-protein kinase SKY; Tyrosi		
Entrez Gene	10461, 7301 (Human); 17289, 22174 (Mouse); 65037, 25232 (Rat)		
SwissProt	Q12866, Q06418 (Human); Q60805, P55144 (Mouse); P57097, P55146 (Rat)		
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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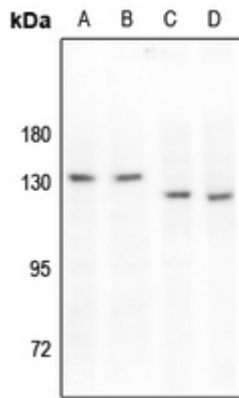
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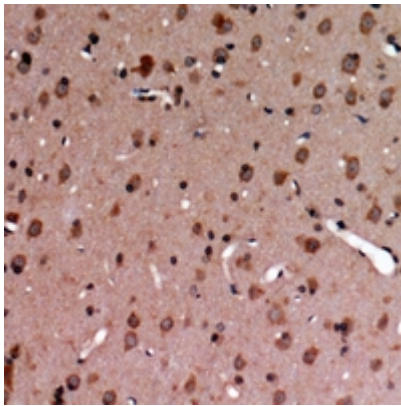
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Product Data Sheet



Western blot analysis of MERTK/TYRO3 (Phospho-Y749/681) expression in A549 (A), U87MG (B), mouse brain (C), rat brain (D) whole cell lysates. (Predicted band size: 110; 96 kD; Observed band size: 130; 120 kD)



Immunohistochemical analysis of MERTK/TYRO3 (Phospho-Y749/681) staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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