Store at -200

Tyro3 (D38C6) Rabbit mAb



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For Research Use Only. Not for Use in Diagnostic Procedures.							
Applications: WB, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 110, 130	Source/Isotype: Rabbit IgG	UniProt ID: #Q06418	Entrez-Gene Id: 7301	
Product Usage Information	Application			Dilution			
	We	stern Blotting		1:1000			
	Imr	munoprecipitation		1:50			
Storage	•	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20 °C. Do not aliquot the antibody.					
Specificity / Sensitiv	/ity Tyro	Tyro3 (D38C6) Rabbit mAb detects endogeneous levels of total Tyro3 protein.					
Source / Purification Monoclonal antibody is produced by immunizing animals with a synthetic peptide correresidues surrounding Thr874 of human Tyro3 protein.					esponding to		
Background	havi FNII natu patt den (5), PI3I sho	Tyro3 is a receptor tyrosine kinase belonging to the TAM subfamily (Tyro3, Axl and Mer). All three members have similar domain structure composed of an extracellular region with 2 lg-like domains, followed by 2 FNII-like domains, a single transmembrane region, and a cytoplasmic tyrosine kinase domain (1). The natural ligand for Tyro3, as well as Axl and Mer, is Gas6 (growth arrest-specific gene 6) (1,2). Expression pattern and target knockout data indicate an important role of Tyro3 in apoptotic cell phagocytosis of dendritic cells and macrophages (3), NK cell differentiation (4), reproductive neuron survival and migration (5), osteoclast stimulation (6,7), as well as cortical and hippocampal neuron function (8). Both MAPK and PI3K pathways have been suggested as downstream targets of Tyro3 activation (7,8). Tyro3 has also been shown to be correlated to melanoma tumorigenesis, likely through its reglulatory role in the expression of oncogenic microphthalmia-associated transcription factor (MITF) (9).					
Background Refere	2. N	 Binder, M.D. and Kilpatrick, T.J. (2009) Neurosignals 17, 277-87. Nagata, K. et al. (1996) J Biol Chem 271, 30022-7. Seitz, H.M. et al. (2007) J Immunol 178, 5635-42. 					

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- 7. Katagiri, M. et al. (2001) J Biol Chem 276, 7376-82.
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Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

WB: Western Blotting IP: Immunoprecipitation

Cross-Reactivity Key

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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