.05 Store at -200

ROR2 Antibody



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Applications: WB, IP	Reactivity: M	Sensitivity: Transfected Only	MW (kDa): 135	Source: Rabbit	UniProt ID: #Q01974	Entrez-Gene Id 4920	
Product Usage Information	Ар	Application			Dilution		
	We	Western Blotting			1:1000		
	Imr	Immunoprecipitation			1:50		
Storage	• • • • • • • • • • • • • • • • • • • •	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.					
Specificity / Sensit	ivity ROF	ROR2 Antibody detects transfected levels of			of ROR2 proteins. It does not cross-react with ROR1.		
Species predicted react based on 100 sequence homolog)%	an					
,			re produced by immunizing animals with a synthetic peptide corresponding to ro91 of human ROR2 protein. Antibodies are purified by protein A and peptide-				

ROR1 and ROR2 are orphan receptor tyrosine kinases that are most closely related to MuSK and the Trk **Background**

family of neurotrophin receptors. They are characterized by the presence of extracellular frizzled-like cysteine-rich domains and membrane-proximal kringle domains, both of which are assumed to mediate

protein-protein interactions (1-3). The ROR family RTKs are evolutionarily conserved among

Caenorhabditis elegans, Drosophila, mice, and humans (1,4). Although the functions of ROR kinases are unknown, similarities between ROR and MuSK and Trk kinases have led to speculation that ROR kinases regulate synaptic development. CAM-1, a C. elegans ortholog of the ROR family RTKs, plays several important roles in regulating cellular migration, polarity of asymmetric cell divisions, and axonal outgrowth of neurons during nematode development (4). mROR1 and mROR2 may play differential roles during the

development of the nervous system (5).

1. Al-Shawi, R. et al. (2001) Dev Genes Evol 211, 161-71. **Background References**

2. Nomi, M. et al. (2001) Mol Cell Biol 21, 8329-35.

3. Roszmusz, E. et al. (2001) J Biol Chem 276, 18485-90.

4. Forrester, W.C. et al. (1999) Nature 400, 881-5.

5. Oishi, I. et al. (1999) Genes Cells 4, 41-56.

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

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, **Western Blot Buffer**

0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key WB: Western Blotting IP: Immunoprecipitation

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster **Cross-Reactivity Key**

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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1/1/24, 11:00 AM

Limited Uses

ROR2 Antibody (#4105) Datasheet Without Images Cell Signaling Technology

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