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ROR1 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15038

Product Information

Application	WB
Primary Accession	Q01973
Other Accession	NM_005012, NP_005003
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Dog, Guinea Pig, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	104283

Additional Information

Gene ID	4919
Alias Symbol	MGC99659, NTRKR1, dJ537F10.1
Other Names	Tyrosine-protein kinase transmembrane receptor ROR1, 2.7.10.1, Neurotrophic tyrosine kinase, receptor-related 1, ROR1, NTRKR1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-ROR1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	ROR1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

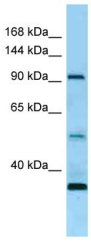
Name	ROR1
Synonyms	NTRKR1
Function	Has very low kinase activity in vitro and is unlikely to function as a tyrosine kinase in vivo (PubMed:25029443). Receptor for ligand WNT5A which activates downstream NFkB signaling pathway and may result in the inhibition of WNT3A-mediated signaling (PubMed:25029443, PubMed:27162350). In the inner ear, crucial for spiral ganglion neurons to innervate auditory hair cells (PubMed:27162350). Via IGFBP5 ligand, forms a complex with ERBB2 to enhance CREB oncogenic signaling (PubMed:36949068).

Cellular Location	Cell membrane; Single-pass type I membrane protein. Cell projection, axon {ECO:0000250|UniProtKB:Q9Z139}
Tissue Location	Expressed strongly in human heart, lung and kidney, but weakly in the CNS. Isoform Short is strongly expressed in fetal and adult CNS and in a variety of human cancers, including those originating from CNS or PNS neuroectoderm

References

Masiakowski P.,et al.J. Biol. Chem. 267:26181-26190(1992).
Reddy U.R.,et al.Oncogene 13:1555-1559(1996).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Sjoeblom T.,et al.Science 314:268-274(2006).

Images



WB Suggested Anti-ROR1 Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Heart

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.