

ROR1 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15038**Specification**

ROR1 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	Q01973
Other Accession	NM_005012 , NP_005003
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Horse, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	104kDa KDa

ROR1 antibody - N-terminal region - 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.

ROR1 antibody - N-terminal region - 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 activate downstream NFkB signaling pathway and may result in the inhibition of WNT3A-mediated signaling (PubMed:25029443, PubMed:27162350). In 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

Membrane; Single-pass type I membrane protein. Cell projection, axon {ECO:0000250|UniProtKB:Q9Z139}

Tissue Location

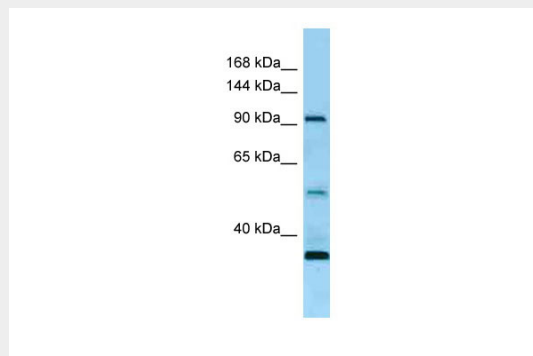
Expressed strongly in human heart, lung and kidney, but weakly in the CNS. Isoform Short is strongly expressed in fetal and adult CNS and in a variety of human cancers, including those originating from CNS or PNS neuroectoderm

ROR1 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ROR1 antibody - N-terminal region - Images



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

ROR1 antibody - N-terminal region - 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.
Sjoebloom T., et al. *Science* 314:268-274(2006).