

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

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**ROR1 antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">Q01973</a>
Other Accession	<a href="#">NM_005012</a> , <a href="#">NP_005003</a>
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:&lt;a href="http://www.uniprot.org/citations/25029443" target="\_blank"&gt;25029443&lt;/a&gt;). Receptor for ligand WNT5A which activate downstream NFkB signaling pathway and may result in the inhibition of WNT3A-mediated signaling (PubMed:&lt;a

href="http://www.uniprot.org/citations/25029443" target="\_blank">25029443</a>, PubMed:<a href="http://www.uniprot.org/citations/27162350" target="\_blank">27162350</a>). In inner ear, crucial for spiral ganglion neurons to innervate auditory hair cells (PubMed:<a href="http://www.uniprot.org/citations/27162350" target="\_blank">27162350</a>). Via IGFBP5 ligand, forms a complex with ERBB2 to enhance CREB oncogenic signaling (PubMed:<a href="http://www.uniprot.org/citations/36949068" target="\_blank">36949068</a>).

#### Cellular Location

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

#### Tissue Location

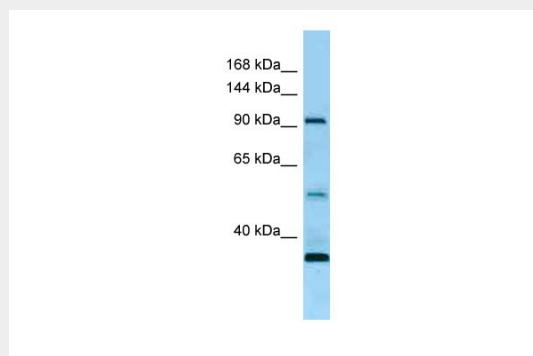
Expressed strongly in human heart, lung and kidney, but weakly in the CNS. Isoform Short is strongly expressed in fetal and adult CNS and in a variety of human cancers, including those originating from CNS or PNS neuroectoderm

### 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).