

**ROR1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7671a****Specification**

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**ROR1 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q01973](#)**ROR1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 4919**Other Names**

Tyrosine-protein kinase transmembrane receptor ROR1, Neurotrophic tyrosine kinase, receptor-related 1, ROR1, NTRKR1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7671a](/product/products/AP7671a) was selected from the N-term region of human ROR1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**ROR1 Antibody (N-term) Blocking Peptide - 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](http://www.uniprot.org/citations/25029443)). Receptor for ligand WNT5A which activate downstream NFkB signaling pathway and may result in the inhibition of WNT3A-mediated signaling (PubMed: [25029443](http://www.uniprot.org/citations/25029443), PubMed: [27162350](http://www.uniprot.org/citations/27162350)). In inner ear, crucial for spiral ganglion neurons to innervate auditory hair cells (PubMed: [27162350](http://www.uniprot.org/citations/27162350)).

**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-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**ROR1 Antibody (N-term) Blocking Peptide - Images****ROR1 Antibody (N-term) Blocking Peptide - Background**

ROR1 is a receptor protein tyrosine kinase whose cellular role has not been determined. It is a type I membrane protein and belongs to the ROR subfamily of cell surface receptors. Studies of a similar protein in mouse suggest that this protein may interact with another receptor protein tyrosine kinase and may be involved in skeletal and cardiac development.

**ROR1 Antibody (N-term) Blocking Peptide - References**

Nomi, M., et al., Mol. Cell. Biol. 21(24):8329-8335 (2001).Reddy, U.R., et al., Genomics 41(2):283-285 (1997).Reddy, U.R., et al., Oncogene 13(7):1555-1559 (1996).Masiakowski, P., et al., J. Biol. Chem. 267(36):26181-26190 (1992).