

ROR1 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7671a**Specification**

ROR1 Antibody (N-term) - Product Information

Application	WB, FC,E
Primary Accession	Q01973
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	104283
Antigen Region	32-62

ROR1 Antibody (N-term) - Additional Information**Gene ID** 4919**Other Names**

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

Target/Specificity

This ROR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 32-62 amino acids from the N-terminal region of human ROR1.

Dilution

WB~~1:1000

FC~~1:10~50

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ROR1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ROR1 Antibody (N-term) - 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

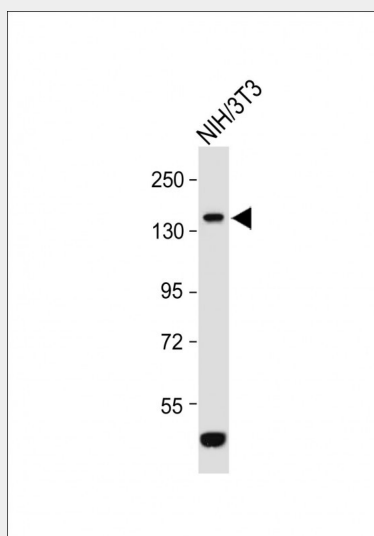
Expressed strongly in human heart, lung and kidney, but weakly in the CNS. Isoform Short is strongly expressed in fetal and adult CNS and in a variety of human cancers, including those originating from CNS or PNS neuroectoderm

ROR1 Antibody (N-term) - Protocols

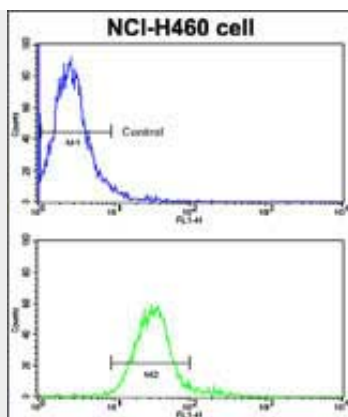
Provided below are standard protocols that you may find useful for product applications.

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

ROR1 Antibody (N-term) - Images



Anti-ROR1 Antibody (N-term) at 1:1000 dilution + NIH/3T3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 104 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Flow cytometric analysis of NCI-H460 cells using ROR1 Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ROR1 Antibody (N-term) - 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) - 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).