

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 Ig
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

Format

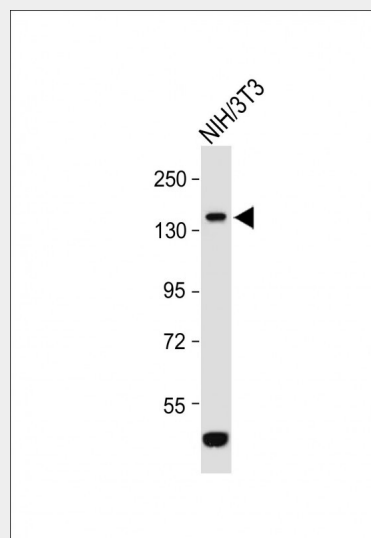
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

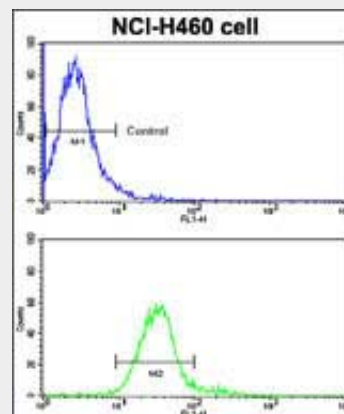
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

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



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.

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).

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) - 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).

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](#)