

ROR1 antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP22449b

Specification

ROR1 antibody (C-term) - Product Information

Application WB,E
Primary Accession Q01973
Reactivity Mouse
Host Rabbit
Clonality polyclonal
Isotype Rabbit Ig
Calculated MW 104283

ROR1 antibody (C-term) - Additional Information

Gene ID 4919

Other Names

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

Target/Specificity

This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between amino acids from human.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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

ROR1 antibody (C-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

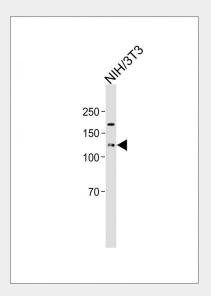
Expressed strongly in human heart, lung and kidney, but weakly in the CNS. Isoform Short is strongly expressed in fetal and adult CNS and in a variety of human cancers, including those originating from CNS or PNS neuroectoderm

ROR1 antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

ROR1 antibody (C-term) - Images



All lanes: Anti-ROR1 antibody (C-term) at 1:1000 dilution + NIH/3T3 whole cell lysate Lysates/proteins at 20 μ g per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 120 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

ROR1 antibody (C-term) - Background



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ROR1 antibody (C-term) - 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. Bainbridge T.W., et al. PLoS ONE 9:E102695-E102695(2014).