

ROR1 antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP22449b

Product Information

Application WB, E **Primary Accession** Q01973 Reactivity Mouse Host Rabbit Clonality polyclonal Isotype Rabbit Ig **Clone Names** R03086 **Calculated MW** 104283

Additional Information

Gene ID 4919

Other Names Inactive tyrosine-protein kinase transmembrane receptor ROR1, Neurotrophic

tyrosine kinase, receptor-related 1, ROR1, NTRKR1

Target/SpecificityThis antibody is generated from a rabbit immunized with a KLH conjugated

synthetic peptide between amino acids from human.

Dilution WB~~1:1000 E~~Use at an assay dependent concentration.

Format Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. 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.

PrecautionsROR1 antibody (C-term) is for research use only and not for use in diagnostic

or therapeutic procedures.

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:<u>25029443</u>). Receptor for ligand WNT5A which activate downstream NFkB signaling pathway and may result in the inhibition of WNT3A-mediated signaling (PubMed:<u>25029443</u>, PubMed:<u>27162350</u>). 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

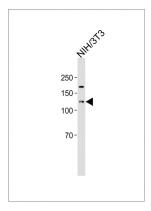
Background

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).

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).

Images



All lanes: Anti-ROR1 antibody (C-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 (ASP1615) at 1/15000 dilution. Observed band size: 120 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.