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ROR1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22435a

Specification

ROR1 Antibody - Product Information

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

ROR1 Antibody - 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 ROR1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between amino acids from the human region of human ROR1.

Dilution
WB~~1:2000
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 is for research use only and not for use in diagnostic or therapeutic procedures.

ROR1 Antibody - 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}

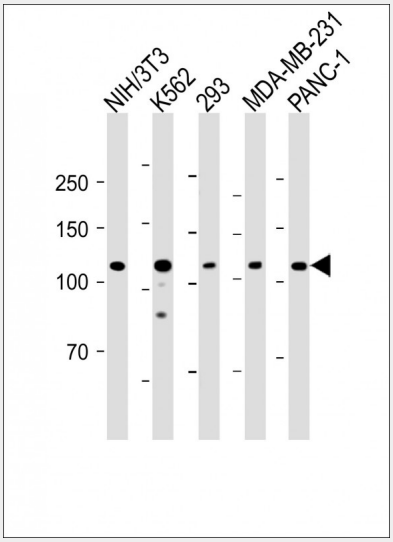
Tissue Location
Expressed strongly in human heart, lung and kidney, but weakly in the CNS. Isoform Short is strongly expressed in fetal and adult CNS and in a variety of human cancers, including those originating from CNS or PNS neuroectoderm

ROR1 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ROR1 Antibody - Images



All lanes: Anti-ROR1 Antibody at 1:2000 dilution Lane 1: NIH/3T3 whole cell lysate Lane 2: K562 whole cell lysate Lane 3: 293 whole cell lysate Lane 4: MDA-MB-231 whole cell lysate Lane 5: PANC-1 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.

ROR1 Antibody - 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).

ROR1 Antibody - References

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