

# ROR1 antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP22449b

## Product Information

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Application	WB, E
Primary Accession	<a href="#">Q01973</a>
Reactivity	Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit Ig
Clone Names	R03086
Calculated MW	104283

## Additional Information

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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 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.
Precautions	ROR1 antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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Name	ROR1
Synonyms	NTRKR1
Function	Has very low kinase activity in vitro and is unlikely to function as a tyrosine kinase in vivo (PubMed: <a href="#">25029443</a> ). Receptor for ligand WNT5A which activate downstream NFkB signaling pathway and may result in the inhibition of WNT3A-mediated signaling (PubMed: <a href="#">25029443</a> , PubMed: <a href="#">27162350</a> ). 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

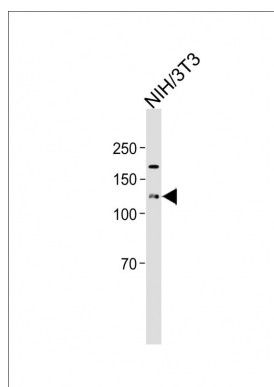
## Background

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'.