

**ROR1 Antibody**  
**Goat Polyclonal Antibody**  
**Catalog # ALS12922****Specification**

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**ROR1 Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC                    |
| Primary Accession | <a href="#">Q01973</a> |
| Reactivity        | Human                  |
| Host              | Goat                   |
| Clonality         | Polyclonal             |
| Calculated MW     | 104kDa KDa             |

**ROR1 Antibody - Additional Information****Gene ID** 4919**Other Names**

Tyrosine-protein kinase transmembrane receptor ROR1, 2.7.10.1, Neurotrophic tyrosine kinase, receptor-related 1, ROR1, NTRKR1

**Target/Specificity**

Human ROR1. This antibody is expected to recognize isoform 1 (NP\_005003.2) only.

**Reconstitution & Storage**

Store at -20°C. Minimize freezing and thawing.

**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](http://www.uniprot.org/citations/25029443)). Receptor for ligand WNT5A which activate downstream NFkB signaling pathway and may result in the inhibition of WNT3A-mediated signaling (PubMed: [25029443](http://www.uniprot.org/citations/25029443), PubMed: [27162350](http://www.uniprot.org/citations/27162350)). In inner ear, crucial for spiral ganglion neurons to innervate auditory hair cells (PubMed: [27162350](http://www.uniprot.org/citations/27162350)). Via IGFBP5 ligand, forms a complex with ERBB2 to enhance CREB oncogenic signaling (PubMed: [36949068](http://www.uniprot.org/citations/36949068)).

**Cellular Location**

Membrane; Single-pass type I membrane protein. Cell projection, axon  
{ECO:0000250|UniProtKB:Q9Z139}

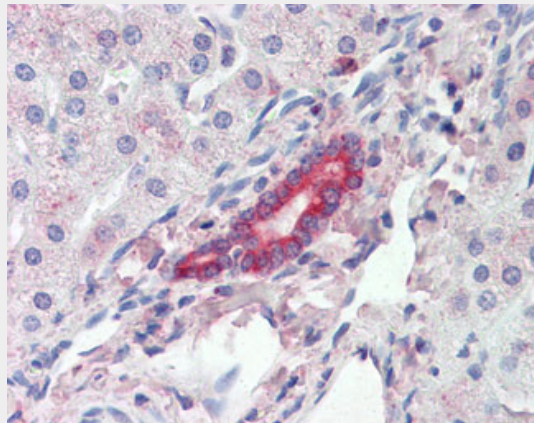
**Tissue Location**

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

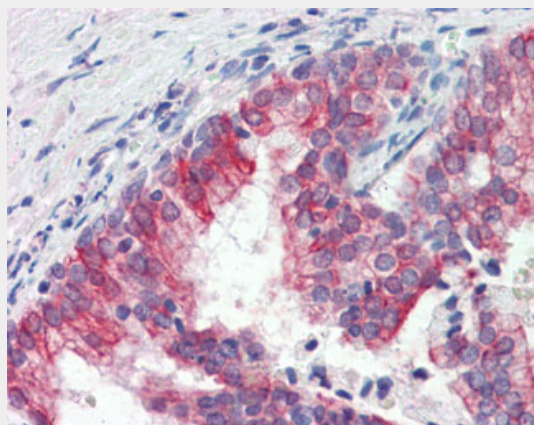
**ROR1 Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**ROR1 Antibody - Images**

Anti-ROR1 antibody IHC of human liver.



Anti-ROR1 antibody IHC of human prostate.

**ROR1 Antibody - Background**

Tyrosine-protein kinase receptor whose role is not yet clear.

**ROR1 Antibody - 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.

Sjoeblom T., et al. Science 314:268-274(2006).