

ROR1 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI15038

Product Information

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| Application | WB |
| Primary Accession | Q01973 |
| Other Accession | NM_005012 , NP_005003 |
| Reactivity | Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse |
| Predicted | Human, Mouse, Rat, Rabbit, Pig, Chicken, Dog, Guinea Pig, Horse |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 104283 |

Additional Information

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| Gene ID | 4919 |
| Alias Symbol | MGC99659, NTRKR1, dj537F10.1 |
| Other Names | Tyrosine-protein kinase transmembrane receptor ROR1, 2.7.10.1, Neurotrophic tyrosine kinase, receptor-related 1, ROR1, NTRKR1 |
| Format | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. |
| Reconstitution & Storage | Add 50 ul of distilled water. Final anti-ROR1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| Precautions | ROR1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures. |

Protein Information

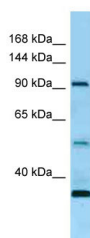
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| Name | ROR1 |
| Synonyms | NTRKR1 |
| Function | Has very low kinase activity in vitro and is unlikely to function as a tyrosine kinase in vivo (PubMed: 25029443). Receptor for ligand WNT5A which activate downstream NFkB signaling pathway and may 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). |

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| 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 |

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

Images



WB Suggested Anti-ROR1 Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Heart

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