

**Anti-ROR1 Reference Antibody (zilovertamab)  
Recombinant Antibody  
Catalog # APR10206****Specification**

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**Anti-ROR1 Reference Antibody (zilovertamab) - Product Information**

|                   |                            |
|-------------------|----------------------------|
| Application       | FC, Kinetics, Animal Model |
| Primary Accession | <a href="#">Q01973</a>     |
| Reactivity        | Human                      |
| Clonality         | Monoclonal                 |
| Isotype           | IgG1                       |
| Calculated MW     | 145.12 KDa                 |

**Anti-ROR1 Reference Antibody (zilovertamab) - Additional Information****Target/Specificity**  
ROR1**Endotoxin**  
< 0.001EU/ µg,determined by LAL method.**Conjugation**  
Unconjugated**Expression system**  
CHO Cell**Format**  
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.**Anti-ROR1 Reference Antibody (zilovertamab) - 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:<a href="http://www.uniprot.org/citations/25029443" target="\_blank">25029443</a>). Receptor for ligand WNT5A which activate downstream NFκB signaling pathway and may result in the inhibition of WNT3A-mediated signaling (PubMed:<a href="http://www.uniprot.org/citations/25029443" target="\_blank">25029443</a>, PubMed:<a href="http://www.uniprot.org/citations/27162350" target="\_blank">27162350</a>). In inner ear, crucial for spiral ganglion neurons to innervate auditory hair cells (PubMed:<a href="http://www.uniprot.org/citations/27162350" target="\_blank">27162350</a>). Via IGFBP5 ligand, forms a complex with ERBB2 to enhance CREB oncogenic signaling (PubMed:<a href="http://www.uniprot.org/citations/36949068" target="\_blank">36949068</a>).

### Cellular Location

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

### Tissue Location

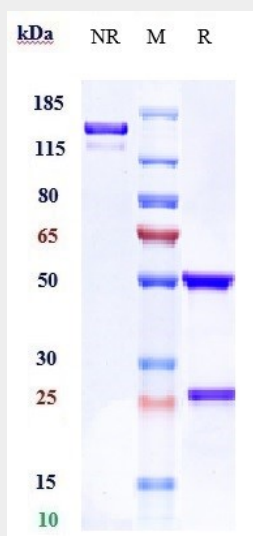
Expressed strongly in human heart, lung and kidney, but weakly in the CNS. Isoform Short is strongly expressed in fetal and adult CNS and in a variety of human cancers, including those originating from CNS or PNS neuroectoderm

## Anti-ROR1 Reference Antibody (zilovertamab) - Protocols

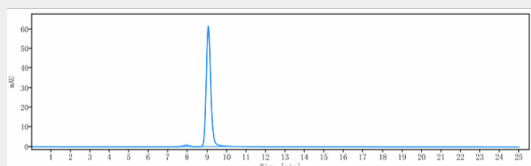
Provided below are standard protocols that you may find useful for product applications.

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

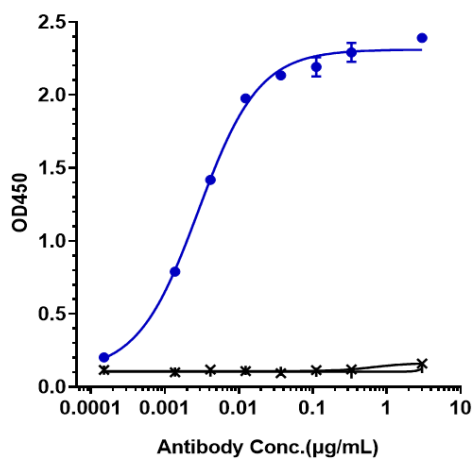
## Anti-ROR1 Reference Antibody (zilovertamab) - Images



Anti-ROR1 Reference Antibody (zilovertamab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-ROR1 Reference Antibody (zilovertamab) is more than 98.21% ,determined by SEC-HPLC.



Immobilized human ROR1 His at 2 µg/mL can bind Anti-ROR1 Reference Antibody (zilovetamab)  $\square$  EC50=0.00283 µg/mL