

For Research Use Only

# ROR2 Monoclonal antibody

Catalog Number: 67906-1-Ig **2 Publications**



## Basic Information

<b>Catalog Number:</b> 67906-1-Ig	<b>GenBank Accession Number:</b> BC130522	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 4920	<b>CloneNo.:</b> 1A12C5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q01974	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG1	<b>Full Name:</b> receptor tyrosine kinase-like orphan receptor 2	
<b>Immunogen Catalog Number:</b> AG31197	<b>Calculated MW:</b> 943 aa, 105 kDa	
	<b>Observed MW:</b> 105 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, HSC-T6 cells, NIH/3T3 cells, MDA-MB-231 cells, T-47D cells, HeLa cells, K-562 cells, Jurkat cells, 4T1 cells
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> Human, Mouse, Rat	
<b>Cited Species:</b> mouse	

## Background Information

Tyrosine-protein kinase transmembrane receptor ROR2 belongs to the ROR family of receptor tyrosine kinases (RTKs) (PMID: 12815588). ROR2 is a developmentally regulated protein that has significant expression and roles in a wide variety of tissues during early embryonic development. It was established that ROR2 plays a key role in skeletal and neural organogenesis, as well as in midgut development in the mouse, but then becomes repressed in adult tissues. It may act as a receptor for wnt ligand WNT5A which may result in the inhibition of WNT3A-mediated signaling (PMID: 25614331). Mutations in the ROR2 gene are associated with autosomal recessive Robinow syndrome and autosomal dominant brachydactyly type B (PMID: 12815588).

## Notable Publications

Author	Pubmed ID	Journal	Application
Manu Ahmed	39282264	bioRxiv	WB
Yitian Lu	38519978	J Nanobiotechnology	WB

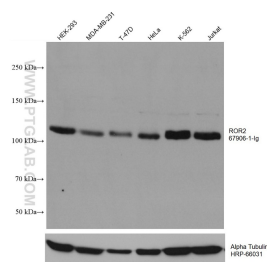
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67906-1-Ig (ROR2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.