

For Research Use Only

# ROR2 Monoclonal antibody, PBS Only



Catalog Number: 67906-1-PBS

## Basic Information

<b>Catalog Number:</b> 67906-1-PBS	<b>GenBank Accession Number:</b> BC130522	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4920	<b>CloneNo.:</b> 1A12C5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q01974	
<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

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
Human, Mouse, Rat

## 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).

## Storage

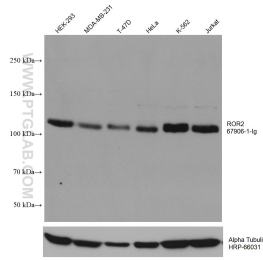
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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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. This data was developed using the same antibody clone with 67906-1-PBS in a different storage buffer formulation.