

For Research Use Only

ROR2 Monoclonal antibody

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



Basic Information

Catalog Number: 67906-1-Ig	GenBank Accession Number: BC130522	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4920	CloneNo.: 1A12C5
Source: Mouse	UNIPROT ID: Q01974	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG1	Full Name: receptor tyrosine kinase-like orphan receptor 2	
Immunogen Catalog Number: AG31197	Calculated MW: 943 aa, 105 kDa	
	Observed MW: 105 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: 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
Cited Applications: WB	
Species Specificity: Human, Mouse, Rat	
Cited Species: 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

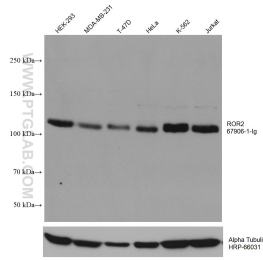
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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)
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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.