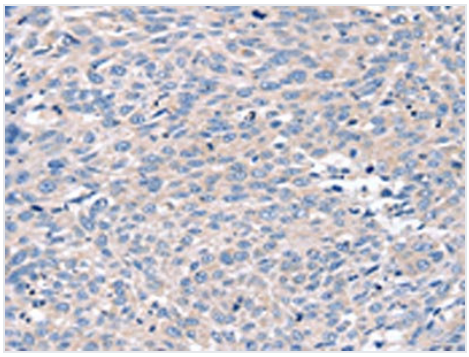
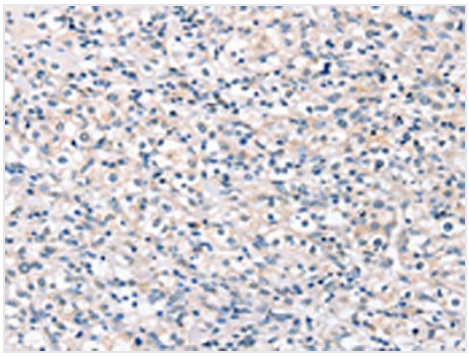
ROR1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ROR1, Polyclonal Antibody
Full Product Name	ROR1 Antibody
Product Gene Name	anti-ROR1 antibody
Product Synonym Names	receptor Tyrosine kinase-like orphan receptor 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, 0.05% NaN3, and 40% Glycerol
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	937
OMIM	602336
3D Structure	ModBase 3D Structure for Q01973
Immunogen	Synthetic peptide of human ROR1
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-ROR1 antibody	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ROR1 antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-ROR1 antibody	ELISA: 1:2000-1:5000 IHC: 1:25-1:100
Related Product Information for anti-ROR1 antibody	MBS7129863 is an antibody targeting ROR1. Also known as ROR1 Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-ROR1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC)-Paraffin of anti-ROR1 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using MBS7129863(ROR1 Antibody) at dilution 1/35, on the right is treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry (IHC)-Paraffin of anti-ROR1 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human prostate cancer tissue using MBS7129863(ROR1 Antibody) at dilution 1/35, on the right is treated with synthetic peptide. (Original magnification: ×200)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ROR1. It may not necessarily be applicable to this product.

NCBI GI #	118572711
NCBI GeneID	4919
NCBI Accession #	Q01973.2
UniProt Primary Accession #	Q01973
UniProt Secondary Accession #	Q5VVX6; Q66K77; Q92776
UniProt Related Accession #	Q01973
NCBI Official Full Name	Tyrosine-protein kinase transmembrane receptor ROR1
NCBI Official Synonym Full Names	receptor tyrosine kinase-like orphan receptor 1
NCBI Official Symbol	ROR1
NCBI Official Synonym Symbols	NTRKR1; dJ537F10.1
UniProt Protein Name	Tyrosine-protein kinase transmembrane receptor ROR1
UniProt Synonym Protein Names	Neurotrophic tyrosine kinase, receptor-related 1
Protein Family	Inactive tyrosine-protein kinase transmembrane receptor
UniProt Gene Name	ROR1
UniProt Synonym Gene Names	NTRKR1
UniProt Entry Name	ROR1_HUMAN
NCBI Protein Information	tyrosine-protein kinase transmembrane receptor ROR1; neurotrophic tyrosine kinase, receptor-related 1
NCBI Summary for ROR1	This gene encodes a receptor tyrosine kinase-like orphan receptor that modulates neurite growth in the central nervous system. The encoded protein is a glycosylated type I membrane protein that belongs to the ROR subfamily of cell surface receptors. It is a pseudokinase that lacks catalytic activity and may interact with the non-canonical Wnt signalling pathway. This gene is highly expressed during early embryonic development but expressed at very low levels in adult tissues. Increased expression of this gene is associated with B-cell chronic lymphocytic leukaemia. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2012]

UniProt Comments for ROR1	ROR1: Tyrosine-protein kinase receptor whose role is not yet clear. 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. Belongs to the protein kinase superfamily. Tyr protein kinase family. ROR subfamily. 3 isoforms of the human protein are produced by alternative splicing. Protein type: EC 2.7.10.1; Protein kinase, tyrosine (receptor); Membrane protein, integral; Protein kinase, TK; Kinase, protein; TK group; Ror family Chromosomal Location of Human Ortholog: 1p31.3 Cellular Component: integral to plasma membrane; cytoplasm; plasma membrane; receptor complex Molecular Function: Wnt-protein binding; protein binding; transmembrane receptor protein tyrosine kinase activity; ATP binding Biological Process: peptidyl-tyrosine phosphorylation; transmembrane receptor protein tyrosine kinase signaling pathway
Research Articles on ROR1	**1.** Data shows that ROR1 and ROR2 are inversely expressed in melanomas and negatively regulate each other. Also, hypoxia initiates a shift of ROR1-positive melanomas to a more invasive, ROR2-positive phenotype.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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