

Rabbit anti-Human, Mouse ROR2 Polyclonal Antibody | anti-ROR2 antibody

ROR2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327356	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

ROR2; Polyclonal Antibody; ROR2 Antibody; BDB; BDB1; Brachydactyly type B; EC 2.7.10.1; MGC163394; Neurotrophic tyrosine kinase; receptor related 2; NTRKR2; Receptor tyrosine kinase-like orphan receptor 2; receptor-related 2; ROR2_HUMAN; Tyrosine protein kinase transmembrane receptor ROR2; Tyrosine-protein kinase transmembrane receptor Ror2; anti-ROR2 antibody

PRODUCT SPECIFICATIONS

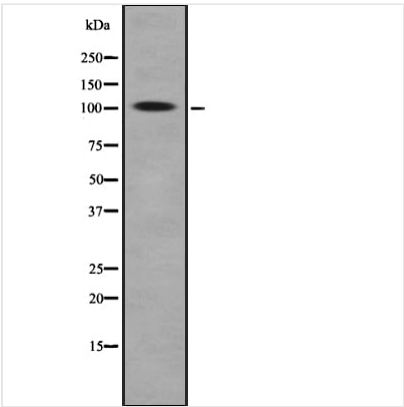
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	ROR2 antibody detects endogenous levels of total ROR2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	432
Applicable Applications for anti-ROR2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ROR2
Subcellular Location	Plasma Membrane
Tissue Specificity	Expressed at high levels during early embryonic development. The expression levels drop strongly around day 16 and there are only very low levels in adult tissues.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA327356 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of ROR2 using HeLa whole lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-ROR2 antibody	Function: Tyrosine-protein kinase receptor which may be involved in the early formation of the chondrocytes. It seems to be required for cartilage and growth plate development (By similarity). Phosphorylates YWHAB, leading to induction of osteogenesis and bone formation (PubMed:17717073). In contrast, has also been shown to have very little tyrosine kinase activity in vitro. May act as a receptor for wnt ligand WNT5A which may result in the inhibition of WNT3A-mediated signaling (PubMed:25029443). Subunit Structure: Homodimer; promotes osteogenesis. Binds YWHAB (PubMed:17717073). Interacts with WTIP (By similarity). Similarity: Belongs to the protein kinase superfamily. Tyr protein kinase family. ROR subfamily.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	970598266
NCBI GeneID	4920
NCBI Accession #	NP_001305133.1
NCBI GenBank Nucleotide #	NM_001318204.1
UniProt Accession #	Q01974; Q59GF5; Q5SPI5; Q9HAY7; Q9HB61
Molecular Weight	Observed: 105 kDa Predicted: 105 kDa
NCBI Official Full Name	tyrosine-protein kinase transmembrane receptor ROR2 isoform 2
NCBI Official Synonym Full Names	receptor tyrosine kinase like orphan receptor 2
NCBI Official Symbol	ROR2
NCBI Official Synonym Symbols	BDB; BDB1; NTRKR2
NCBI Protein Information	tyrosine-protein kinase transmembrane receptor ROR2
UniProt Protein Name	Tyrosine-protein kinase transmembrane receptor ROR2
UniProt Gene Name	ROR2
UniProt Synonym Gene Names	NTRKR2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

