

Rabbit anti-Human ROR1 Polyclonal Antibody | anti-ROR1 antibody

ROR1 Antibody (N-term)

CATALOG # AAA287610	HOST Rabbit	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, ELISA, Western Blot
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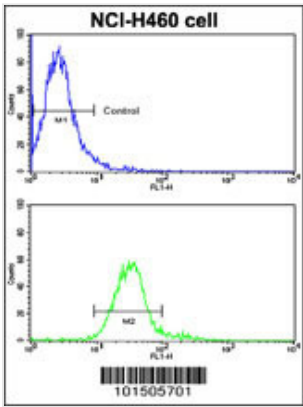
PRODUCT SYNONYMS

ROR1; Polyclonal Antibody; ROR1 Antibody (N-term); Tyrosine-protein kinase transmembrane receptor ROR1; Neurotrophic tyrosine kinase; receptor-related 1; NTRKR1; anti-ROR1 antibody

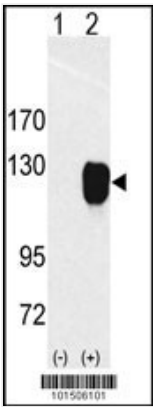
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ROR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 32-62 amino acids from the N-terminal region of human ROR1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	32-62
Sequence Length	393
Applicable Applications for anti-ROR1 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Function	Has very low kinase activity in vitro and is unlikely to function as a tyrosine kinase in vivo. May act as a receptor for wnt ligand WNT5A which may result in the inhibition of WNT3A- mediated signaling.
Cellular Location	Membrane; Single-pass type I membrane protein
Tissue Location	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.
ROR1 Antibody (N-term) - Protocol	Provided below are standard protocols that you may find useful for product applications. ROR subfamily of cell surface receptors. Studies of a similar protein in mouse suggest that this protein may interact with another receptor protein tyrosine kinase and may be involved in skeletal and cardiac development.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of NCI-H460 cells using ROR1 Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of ROR1 (arrow) using rabbit polyclonal ROR1 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the ROR1 gene (Lane 2) (Origene Technologies).

ADDITIONAL INFORMATION

Related Product Information for anti-ROR1 antibody	ROR1 is a receptor protein tyrosine kinase whose cellular role has not been determined. It is a type I membrane protein and belongs to the ROR subfamily of cell surface receptors. Studies of a similar protein in mouse suggest that this protein may interact with another receptor protein tyrosine kinase and may be involved in skeletal and cardiac development.
Product Categories/Family for anti-ROR1 antibody	Neuroscience; Signal Transduction
References	Nomi, M., et al., Mol. Cell. Biol. 21(24):8329-8335 (2001). Reddy, U.R., et al., Genomics 41(2):283-285 (1997). Reddy, U.R., et al., Oncogene 13(7):1555-1559 (1996). Masiakowski, P., et al., J. Biol. Chem. 267(36):26181-26190 (1992).

NCBI AND UNIPROT INFORMATION

NCBI GI #	134152686
NCBI GeneID	4919
NCBI Accession #	NP_001077061.1; NP_005003.2
NCBI GenBank Nucleotide #	NM_001083592.1
UniProt Accession #	Q01973; Q5VVX6; Q66K77; Q92776
Molecular Weight	104283
NCBI Official Full Name	tyrosine-protein kinase transmembrane receptor ROR1 isoform 2
NCBI Official Synonym Full Names	receptor tyrosine kinase-like orphan receptor 1
NCBI Official Symbol	ROR1
NCBI Official Synonym Symbols	NTRKR1; dJ537F10.1
NCBI Protein Information	tyrosine-protein kinase transmembrane receptor ROR1
UniProt Protein Name	Tyrosine-protein kinase transmembrane receptor ROR1
UniProt Gene Name	ROR1
UniProt Synonym Gene Names	NTRKR1

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ror1-antibody-flow-cytometry-western-blot-elisa/287610>