

Rabbit ROR1 Polyclonal Antibody | anti-ROR1 antibody

Rabbit Polyclonal Anti-ROR1 antibody BIOTIN

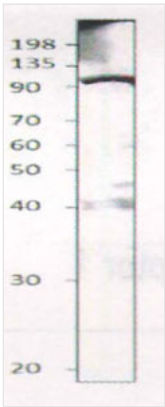
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76042	Rabbit	Human, Monkey, Mouse, Rat	Western Blot, Immunoprecipitation, ELISA

PRODUCT SYNONYMS

ROR1; Polyclonal Antibody; Rabbit Polyclonal Anti-ROR1 antibody BIOTIN; dJ537F10.1 antibody; MGC99659 antibody; Neurotrophic tyrosine kinase antibody; Receptor tyrosine kinase like orphan receptor 1 antibody; receptor-related 1 antibody; RGD1559469 antibody; RP11 24J23.1 antibody; Tyrosine kinase like or han receptor 1 antibod; anti-ROR1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey, Mouse, Rat
Clonality	Polyclonal
Specificity	This antibody does not cross react to any other cellular protein.
Form/Format	BIOTIN-Conjugated
Concentration	0.55-0.75 ug/ul in antibody stabilization buffer (varies by lot)
Sequence Length	942
Applicable Applications for anti-ROR1 antibody	WB (Western Blot), IP (Immunoprecipitation), ELISA
Immunogen	Synthetic peptide corresponding to C terminal amino acids 900-918 on Human ROR1 protein. Peptide was coupled to a carrier protein using heterobifunctional cross linker. Sequence: TVKGNKSQKPYKIDSKQAS
Expression	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.
Molecular Function	ATP binding; transmembrane receptor protein Tyrosine kinase activity; Wnt-protein binding
Structure	Contains 1 FZ (frizzled) domain; Contains 1 Ig-like C2-type (immunoglobulin-like) domain; Contains 1 Kringle domain; Contains 1 Protein kinase domain
Subcellular Location	Membrane; Single-pass type I membrane protein
Preparation and Storage	-20• degree C for long term storage



WB (Western Blot)
Western Blot with MDA cells. 1:500 antibody dilutions in DiluObuffer. Apparent MVV is 128 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ROR1 antibody	Receptor tyrosine kinase-like orphan receptor 1 Antibody Affinity Purified
	Overview: Receptor tyrosine kinase-like Orphan Receptor (ROR) proteins are conserved tyrosine kinase receptors that pattern tissues and organs during embryonic development and in adulthood. ROR family proteins are ligand-dependent transcription factors that are required for skeleton and neuronal development, and modulate cell migration, cell polarity, and convergent extension. RORs act as Wnt receptors signaling via novel non-canonical Wnt pathways mediated by the adapter protein disheveled and the non-receptor tyrosine kinase Src(1). The mammalian ROR family of receptor tyrosine kinases consists of two structurally related proteins.
	MBS544741 is an orphan cell surface receptor with strong homology to the tyrosine kinase domain of growth factor receptors, in particular the Trk family. MBS544741 is expressed by many tissues during embryogenesis, some 8-cell malignancies, and various cancer cell lines with high levels of phosphorylated AKT and phosphorylated cAMP response element binding-factor. MBS544741 plays a functional role in promoting tumor cell growth, suggesting that this orphan-receptor tyrosine-kinase-like protein may be a potential target for therapy directed against a variety of human cancers (2). High-level expression of MBS544741 is found in breast adenocarcinoma associated with aggressive disease indicating it to be a potential target for breast cancer therapy (3). The MBS544741 gene is mapped to chromosome 1 p12-p32
	MBS544741 -selective antibodies were generated against a peptide taken the C-terminal region of the MBS544741 protein. The MBS544741 -selective antibodies are affinity purified on an immobilized antigen based affinity matrix, the isolated antibodies were then stabilized in antibody stabilization buffer for long-term storage.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119626962
NCBI GeneID	4919
Molecular Weight	128 kDa
NCBI Official Full Name	receptor tyrosine kinase-like orphan receptor 1, isoform CRA_c
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	inactive tyrosine-protein kinase transmembrane receptor ROR1
UniProt Protein Name	Inactive tyrosine-protein kinase transmembrane receptor ROR1
UniProt Gene Name	ROR1

UniProt Synonym Gene Names	NTRKR1
UniProt Entry Name	ROR1_HUMAN

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-western-blot-immunoprecipitation-elisa/76042>