



# ROR1 mouse mAb

<b>Catalog No</b>	BYmab-12528
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	ROR1 NTRKR1
<b>Protein Name</b>	ROR1
<b>Immunogen</b>	Synthesized peptide derived from human ROR1
<b>Specificity</b>	This antibody detects endogenous levels of ROR1 at Human, Mouse,Rat
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.10% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	Tyrosine-protein kinase transmembrane receptor ROR1 (EC 2.7.10.1) (Neurotrophic tyrosine kinase, receptor-related 1)
<b>Observed Band</b>	105kD
<b>Cell Pathway</b>	Membrane ; Single-pass type I membrane protein. Cell projection, axon .
<b>Tissue Specificity</b>	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.
<b>Function</b>	catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,developmental stage: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.,function:Tyrosine-protein kinase receptor whose role is not yet clear.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. ROR subfamily.,similarity:Contains 1 FZ (frizzled) domain.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,similarity:Contains 1 kringle domain.,similarity:Contains 1 protein kinase domain.,tissue specificity:Expressed strongly in human heart, lung, and kidney, but weakly in the CNS. The short isoform is strongly expressed in fetal and adult

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CNS and in a variety of human cancers, including those originating from CNS or PNS neuroectoderm.,

**Background**

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],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images

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