

Product datasheet for **AM06399SU-N**

ROR1 Mouse Monoclonal Antibody [Clone ID: 2H6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2H6
Applications:	ELISA, IF, WB
Recommended Dilution:	ELISA: 1/10000. Western Blot: 1/500-1/2000. Immunofluorescence: 1/200-1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant extracellular fragment of human ROR1 (aa30-406) fused with hlgGfc tag, expressed in HEK293 cells
Specificity:	Recognizes Human ROR1. Other species not tested.
Formulation:	State: Ascites State: Ascitic fluid Preservative: 0.03% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	101 kDa
Gene Name:	receptor tyrosine kinase-like orphan receptor 1
Database Link:	Entrez Gene 4919 Human Q01973



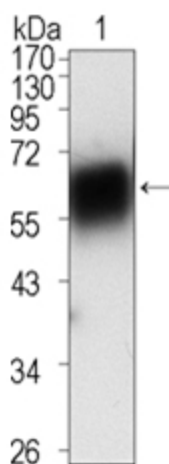
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Background:

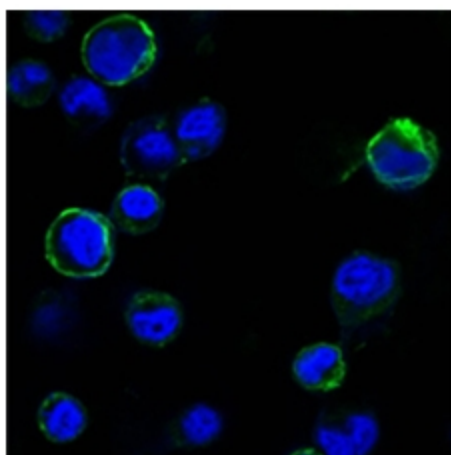
ROR1, a type I membrane protein, is a receptor protein tyrosine kinase that modulates neurite growth in the central nervous system. The ROR-family receptor tyrosine kinases consist of two structurally related proteins, ROR1 and ROR2. These proteins are characterized by having intracellular tyrosine kinase domains, which are highly related to Trk-family kinases, extracellular Frizzled-like cysteine-rich domains (CRDs) and Kringle domains. The ROR family members are highly conserved among species, such as *C. elegans*, *Drosophila*, *Xenopus* and mammals. ROR1 and ROR2 are both involved in organogenesis with particular emphasis in neuronal differentiation. Increased expression of ROR1 in acute lymphoblastic leukemias (ALLs) as well as chronic lymphocytic leukemias (CLLs) implicate this protein as a potential tool for targeted immunotherapy in these diseases.

Synonyms:

NTRKR1

Product images:

Western blot analysis using ROR1 antibody Cat.-No AM06399SU-N against extracellular domain of human ROR1 (aa30-423).



Confocal Immunofluorescence analysis of HEK293 cells transfected with extracellular ROR1 (aa30-406)-hIgGfc using ROR1 antibody Cat.-No AM06399SU-N (green). Blue: DRAQ5 fluorescent DNA dye.