



**Category:** Monoclonal Antibodies  
**Product Name:** Mouse Monoclonal Antibody to ROR1

**Catalog Number:** MAB-606020372

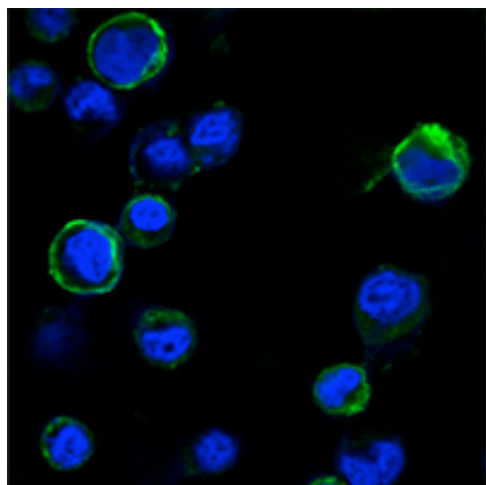
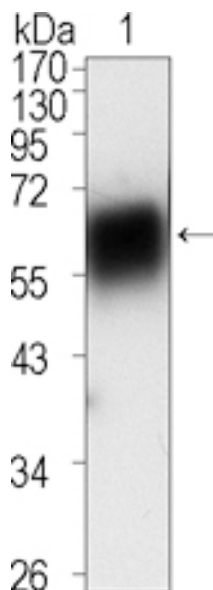


Figure 1: Confocal immunofluorescence analysis of HEK293 cells transfected with extracellular ROR1 (aa30-406)-hIgGFc using ROR1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



Lot#: 20091019  
Clone#: 2H6  
Host and isotype: Mouse IgG1  
Size: 0.1ml  
MW: 101kDa  
Aliases: ROR1  
Entrez Gene: 4919  
Species reactivity: Human

Figure 2: Western blot analysis using ROR1 mouse mAb against extracellular domain of human ROR1 (aa30-423).

**Description** 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.

**Immunogen** Recombinant extracellular fragment of human ROR1 (aa30-406) fused with hIgGFc tag, expressed in HEK293 cells

**Application** Western Blotting: 1/500 - 1/2000.

Immunofluorescence: 1/200 - 1/1000.

ELISA: Propose dilution 1/10000.

Not yet tested in other applications.

Determining optimal working dilutions by titration test.

**Formulation** Ascitic fluid containing 0.03% sodium azide.

**Storage** Store at 4°C, for long term storage, store at -20°C.

**Related product References** 1. *J Cell Sci.* 2005 Jan 15;118(Pt 2):433-46.

2. *Oncogene.* 1996 Oct 3;13(7):1555-9.

**For Research Use Only**

**Contact:** Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: [Info@antageneinc.com](mailto:Info@antageneinc.com)