Datasheet for ABIN969385

anti-ROR1 antibody (AA 30-406)

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Overview

Quantity:	100 µL
Target:	ROR1
Binding Specificity:	AA 30-406
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ROR1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant extracellular fragment of human ROR1 (aa30-406) fused with hIgGFc tag, expressed in HEK293 cells
Clone:	2H6
Isotype:	IgG1

Target Details

Target:	ROR1
Alternative Name:	ROR1 (ROR1 Products)
Background:	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

Target Details

	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. Aliases: ROR1
Molecular Weight:	101 kDa
Gene ID:	4919
HGNC:	4919
Pathways:	RTK Signaling, WNT Signaling, Nuclear Receptor Transcription Pathway, Steroid Hormone Mediated Signaling Pathway, Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:200 - 1:1000
Restrictions:	For Research Use only

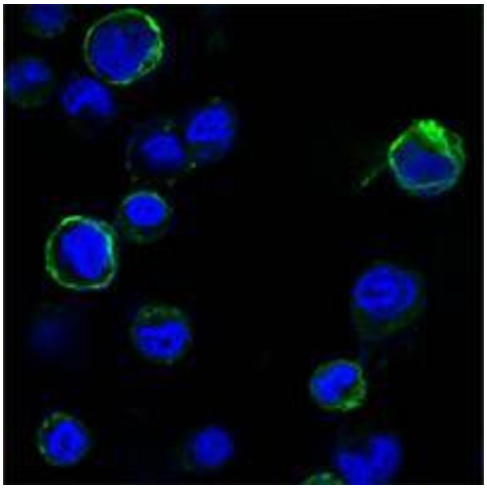
Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

Publications

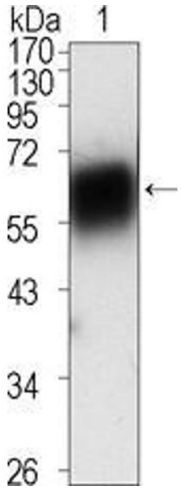
Product cited in:	Li, Xia, Huang, Chen, Su, Li, Wang, Ding, Shao: "A strategy to rapidly identify the functional targets of microRNAs by combining bioinformatics and mRNA cytoplasmic/nucleic ratios in culture cells." in: **FEBS letters**, Vol. 584, Issue 14, pp. 3198-202, (2010) (PubMed).

Images



Immunofluorescence

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



Western Blotting

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