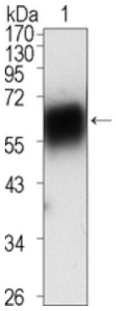
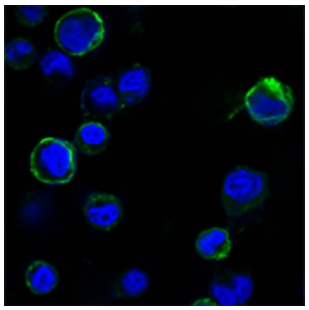
Receptor Tyrosine Kinase Like Orphan Receptor 1 (ROR1) Antibody

Catalogue No.:abx011486



Western blot analysis using ROR1 antibody against extracellular domain of human ROR1 (aa30-423).



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

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.

Target:	Receptor Tyrosine Kinase Like Orphan Receptor 1 (ROR1)
Clonality:	Monoclonal
Reactivity:	Human
Tested Applications:	ELISA, IF/ICC
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, IF/ICC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant extracellular fragment of human ROR1 (aa30-406) fused with hIgGFc tag, expressed in HEK293 cells.

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Isotype:	IgG_1
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q01973 (UniProt, ExPASy)
Gene Symbol:	ROR1
GeneID:	4919
OMIM:	602336
HGNC:	10256
KEGG:	hsa:4919
Ensembl:	ENSG00000185483
String:	9606.ENSP00000360120
Molecular Weight:	101 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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