

Datasheet for ABIN6938323

anti-ROR2 antibody



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Overview

Quantity:	100 µg
Target:	ROR2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ROR2 antibody is un-conjugated
Application:	Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Human cultured keratinocytes
Clone:	ROR2-1911
Isotype:	IgG
Specificity:	ROR2 (receptor tyrosine kinase-like orphan receptor 2), also known as neurotrophic tyrosine kinase receptor-related 2 (NTRKR2), is a single pass transmembrane tyrosine-protein kinase receptor. It contains a cytoplasmic tyrosine kinase domain, distally located serine-threonine-rich domains, an extracellular immunoglobulin-like domain, a cysteine-rich domain and a kringle domain. ROR2 is important for skeletal and endocrine development and is required for cartilage and growth plate development. It promotes the differentiation of osteoblasts and plays an important role in the early formation of chondrocytes. ROR2 sequesters and associates with Dlx1-1 affecting the transcriptional function of Msx-2. ROR2 also interacts with canonical Wnt-1 and Wnt-3, regulating their signaling pathways. Defects in ROR2 can result in the autosomal dominant skeletal disorder, brachydactyly type B1, or the autosomal recessive skeletal disorder,

Product Details

	Robinow syndrome.
Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	ROR2
Alternative Name:	ROR2 (ROR2 Products)
Background:	BR, CD49 antigen-like family member B, ROR2, Collagen receptor, DX5, Glycoprotein Ia deficiency included (GPIa), Human platelet alloantigen system 5 (HPA5 included), Integrin alpha II (ITGA2), Platelet alloantigen Br(a), included, Platelet glycoprotein Ia/IIa, Platelet membrane glycoprotein Ia, VLA2,ROR2 Cellular localisation: Cell membrane.
Molecular Weight:	120kDa
Gene ID:	4920, 644776, 98255
UniProt:	Q01974
Pathways:	RTK Signaling , WNT Signaling

Application Details

Application Notes:	Known_Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined. Positive_Control: Human breast, pancreas, kidney or GIST.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C

Handling

Storage Comment:	Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months