

Mouse anti-Human ROR2 Monoclonal Antibody | anti-ROR2 antibody

ROR2

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215117	Mouse	Human	Immunohistochemistry

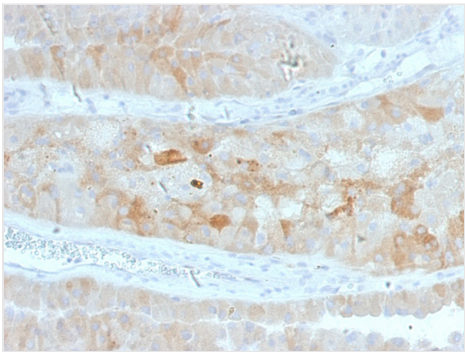
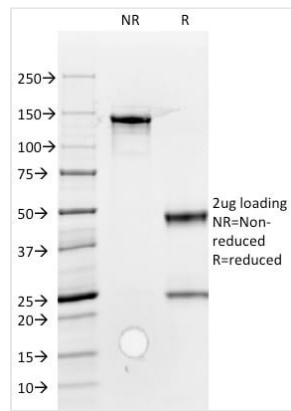
PRODUCT SYNONYMS

ROR2; Monoclonal Antibody; BR; CD49 antigen-like family member B; 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/Ila; Platelet membrane glycoprotein Ia; VLA2;; anti-ROR2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Clone Number	ROR2/1912
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 Dlxin-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, Robinow syndrome.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	943
Applicable Applications for anti-ROR2 antibody	IHC (Immunohistochemistry)
Positive Control	Human breast, pancreas, kidney or GIST.
Immunogen	Human cultured keratinocytes
Cellular Localization	Cell Membrane.
Hu-chromosome Location	9q22.31
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Kidney stained with ROR2 Mouse Monoclonal Antibody (ROR2/1912).

SDS-PAGE
SDS-PAGE Analysis Purified ROR2 Mouse Monoclonal Antibody (ROR2/1912). Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

References	Yu, J., et al. 2016. J. Clin. Invest. 126: 585-598.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	90110767
NCBI GeneID	4920
UniProt Accession #	Q01974
Molecular Weight	120kDa
NCBI Official Full Name	Tyrosine-protein kinase transmembrane receptor ROR2
NCBI Official Synonym Full Names	receptor tyrosine kinase like orphan receptor 2
NCBI Official Symbol	ROR2
NCBI Official Synonym Symbols	BDB; BDB1; NTRKR2
NCBI Protein Information	tyrosine-protein kinase transmembrane receptor ROR2
UniProt Protein Name	Tyrosine-protein kinase transmembrane receptor ROR2
UniProt Gene Name	ROR2
UniProt Synonym Gene Names	NTRKR2
UniProt Entry Name	ROR2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.