

## 36-2881: Anti-ROR2 Monoclonal Antibody(Clone: ROR2/1912)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	ROR2/1912
<b>Application :</b>	IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	ROR2
<b>Gene ID :</b>	4920
<b>Uniprot ID :</b>	Q01974
<b>Alternative Name :</b>	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;
<b>Isotype :</b>	Mouse IgG
<b>Immunogen Information :</b>	Human cultured keratinocytes

### Description

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.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/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.
<b>Storage condition :</b>	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

### Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

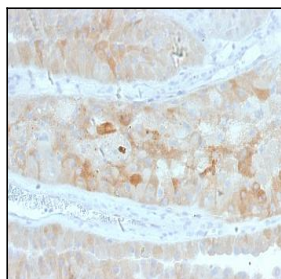


Fig. 1: Formalin-fixed, paraffin-embedded human Kidney stained with ROR2 Mouse Monoclonal Antibody (ROR2/1912).

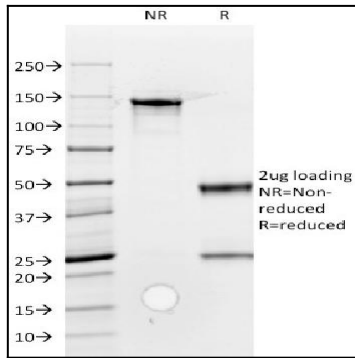


Fig. 2: SDS-PAGE Analysis Purified ROR2 Mouse Monoclonal Antibody (ROR2/1912). Confirmation of Purity and Integrity of Antibody.