

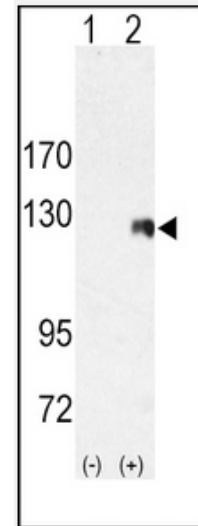
ROR2 Antibody (CT)

ALTERNATE NAMES:	ROR2, NTRKR2, Tyrosine-protein kinase transmembrane receptor ROR2; Neurotrophic tyrosine kinase, receptor-related 2
CATALOG #:	6701-100
AMOUNT:	100 µl
HOST/ISOTYPE:	Rabbit IgG
IMMUNOGEN:	This ROR2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 915-943 amino acids from the C-terminal region of human ROR2.
PURIFICATION:	This antibody is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
MOLECULAR WEIGHT:	~104.75 kDa
FORM:	Liquid
FORMULATION:	Supplied in PBS with 0.09% (W/V) sodium azide.
SPECIES REACTIVITY:	Human
STORAGE CONDITIONS:	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

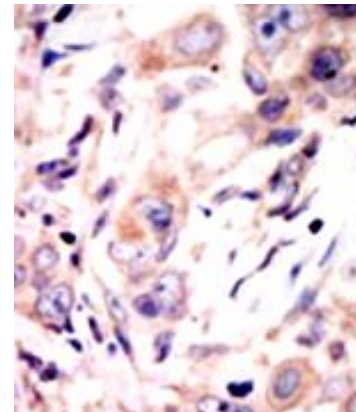
DESCRIPTION: ROR2 (receptor tyrosine kinase-like orphan receptor 2), also known as neurotrophic tyrosine kinase receptor-related 2 (NTRKR2), is a single pass transmembrane tyrosine-protein kinase receptor. It contains a cytoplasmic tyrosine kinase domain, distally located serine-threonine-rich domains, 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 may play differential roles during the development of the nervous system. ROR2 sequesters and associates with Dlxin-1 affecting the transcriptional function of Msx-2. ROR2 also interacts with canonical Wnt1 and Wnt3, regulating their signaling pathways. Defects in ROR2 can result in the autosomal dominant skeletal disorder, brachydactylic type B1 or the autosomal recessive skeletal disorder, Robinow syndrome.

APPLICATION: Western blot: 1:1000, IHC: 1:50 to 1:100

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Western blot analysis of ROR2 (arrow) using ROR2 Antibody (C-term) (Cat # 6701-200). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the ROR2 gene (Lane 2) were loaded



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

RELATED PRODUCTS:

- ROR2 Antibody (NT) (Cat. No. 6700-100)
- ROR2 Antibody (Cat. No. 6702-100)

FOR RESEARCH USE ONLY! Not to be used on humans.