

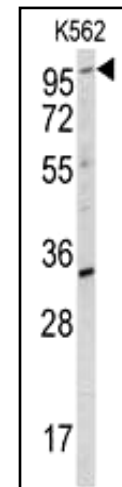
# ROR2 Antibody

<b>ALTERNATE NAMES:</b>	ROR2, NTRKR2, Tyrosine-protein kinase transmembrane receptor ROR2; Neurotrophic tyrosine kinase, receptor-related 2
<b>CATALOG #:</b>	6702-100
<b>AMOUNT:</b>	100 µl
<b>HOST/ISOTYPE:</b>	Rabbit IgG
<b>IMMUNOGEN:</b>	This ROR2 antibody is generated from rabbits immunized with a recombinant protein of human ROR2.
<b>PURIFICATION:</b>	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
<b>MOLECULAR WEIGHT:</b>	~104.75 kDa
<b>FORM:</b>	Liquid
<b>FORMULATION:</b>	Supplied in PBS with 0.09% (W/V) sodium azide.
<b>SPECIES REACTIVITY:</b>	Human
<b>STORAGE CONDITIONS:</b>	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.

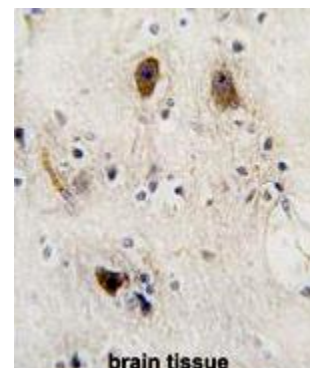
**DESCRIPTION:** ROR2 (receptor tyrosine kinase-like orphan receptor 2), also known as neurotrophic tyrosine kinase receptor-related 2 (NTRKR2), is a single pass transmembrane tyrosine-protein kinase receptor. It contains a cytoplasmic tyrosine kinase domain, distally located serine-threonine-rich domains, 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 Dlx1-1 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: 1:10 to 1:50

**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 (Cat # 6702-200) in K562 cell line lysates (35 µg/lane).



Formalin-fixed and paraffin-embedded human brain tissue reacted with ROR2 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.

## RELATED PRODUCTS:

- ROR2 Antibody (NT) (Cat. No. 6700-100)
- ROR2 Antibody (CT) (Cat. No. 6701-100)

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