

## Product datasheet for **TA810006AM**

### **ROR2 Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI3F8]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	OTI3F8
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:250
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 796-927 of human ROR2(NP_004551) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	101.3 kDa
Gene Name:	receptor tyrosine kinase like orphan receptor 2
Database Link:	<a href="#">NP_004551</a> <a href="#">Entrez Gene 26564 Mouse</a> <a href="#">Entrez Gene 306782 Rat</a> <a href="#">Entrez Gene 4920 Human</a> <a href="#">Q01974</a>



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**Background:**

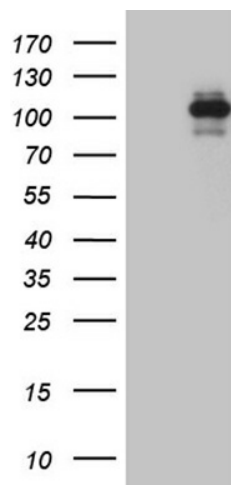
The protein encoded by this gene is a receptor protein tyrosine kinase and type I transmembrane protein that belongs to the ROR subfamily of cell surface receptors. The protein may be involved in the early formation of the chondrocytes and may be required for cartilage and growth plate development. Mutations in this gene can cause brachydactyly type B, a skeletal disorder characterized by hypoplasia/aplasia of distal phalanges and nails. In addition, mutations in this gene can cause the autosomal recessive form of Robinow syndrome, which is characterized by skeletal dysplasia with generalized limb bone shortening, segmental defects of the spine, brachydactyly, and a dysmorphic facial appearance. [provided by RefSeq, Jul 2008]

**Synonyms:**

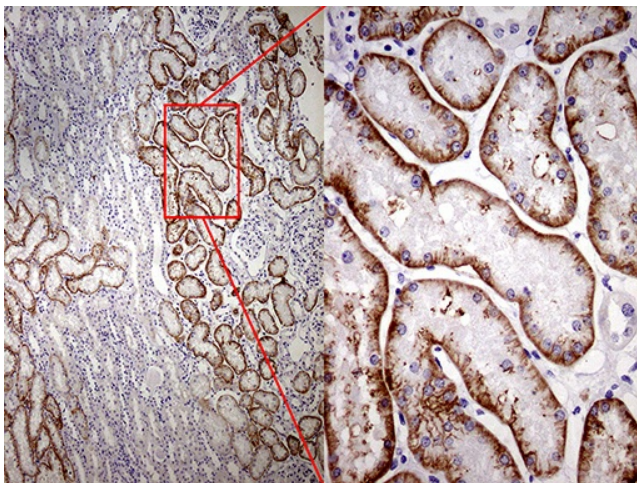
BDB; BDB1; NTRKR2

**Protein Families:**

Druggable Genome, Protein Kinase, Transmembrane

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ROR2 ([RC215640], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ROR2 (1:2000). Positive lysates [LY417906] (100ug) and [LC417906] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-ROR2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA810006]) (1:250)