

Recombinant Anti-ROR2 Rabbit mAb

Catalog # AP95230

Product Information

Application	WB, FC, IF/IC
Primary Accession	Q01974
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	104757

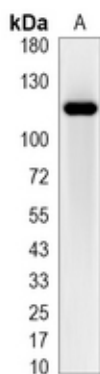
Additional Information

Gene ID	4920
Other Names	NTRKR2; Tyrosine-protein kinase transmembrane receptor ROR2; Neurotrophic tyrosine kinase, receptor-related 2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human ROR2 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

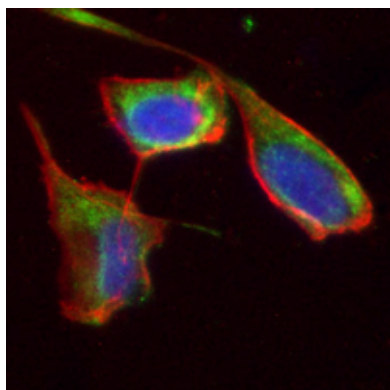
Protein Information

Name	ROR2
Synonyms	NTRKR2
Function	Tyrosine-protein kinase receptor which may be involved in the early formation of the chondrocytes. It seems to be required for cartilage and growth plate development (By similarity). Phosphorylates YWHAB, leading to induction of osteogenesis and bone formation (PubMed: 17717073). In contrast, has also been shown to have very little tyrosine kinase activity in vitro. May act as a receptor for wnt ligand WNT5A which may result in the inhibition of WNT3A-mediated signaling (PubMed: 25029443).
Cellular Location	Cell membrane; Single-pass type I membrane protein

Images



Western blot analysis of ROR2 expression in Saos2 (A) whole cell lysates. (Predicted band size: 105 kD; Observed band size: 105 kD)



Immunofluorescent analysis of ROR2 staining in Saos2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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