Datasheet for ABIN359930

anti-ROR2 antibody (N-Term)

1 Image | 1 Publication

Go to Product page

Overview

Quantity:	0.4 mL
Target:	ROR2
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ROR2 antibody is un-conjugated
Application:	Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human ROR2.
Isotype:	Ig Fraction
Specificity:	This antibody reacts to ROR2.
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS

Target Details

Target:	ROR2
Alternative Name:	ROR2 (ROR2 Products)

Target Details

Background:	ROR2 is a 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. This Type I membrane protein is expressed at high levels during early embryonic development. The expression levels drop strongly around day 16 and there are only very low levels in adult tissues. Defects in ROR2 are a cause of brachydactyly type B1 (BDB1). BDB1 is an autosomal dominant skeletal disorder characterized by hypoplasia/aplasia of distal phalanges and nails. In BDB1 the middle phalanges are short but in addition the terminal phalanges are rudimentary or absent. Both fingers and toes are affected. The thumbs and big toes are usually deformed. Defects in ROR2 are a cause of recessive Robinow syndrome (RRS). RRS is an autosomal disorder characterized by skeletal dysplasia with generalized limb bone shortening, segmental defects of the spine, brachydactyly and a dysmorphic facial appearance. The protein contains 1 frizzled (FZ) domain, 1 immunoglobulin-like C2-type domain, and 1 kringle domain.Synonyms: NTRKR2, Tyrosine-protein kinase transmembrane receptor ROR2
Gene ID:	4920, 9606
UniProt:	Q01974
Pathways:	RTK Signaling, WNT Signaling

Application Details

Application Notes:	ELISA: 1/1,000. Western Blot. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.

Handling

Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at-20 °C for longer.

Publications

Product cited in:	Arabzadeh, Hossein, Salehi-Dulabi, Zarnani: "WNT5A-ROR2 is induced by inflammatory mediators and is involved in the migration of human ovarian cancer cell line SKOV-3." in: **Cellular & molecular biology letters**, Vol. 21, pp. 9, (2017) (PubMed).

Images

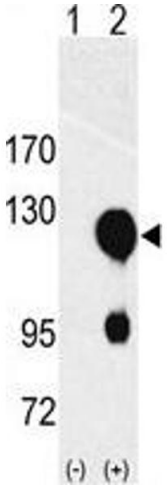

Image 1.