

Datasheet for ABIN392044
anti-ROR2 antibody (N-Term)[Go to Product page](#)

4 Images

3 Publications

Overview

Quantity:	400 µL
Target:	ROR2
Binding Specificity:	AA 19-50, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This ROR2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 19-50 amino acids from the N-terminal region of human ROR2.
Clone:	RB01507-01508
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	ROR2
Alternative Name:	ROR2 (ROR2 Products)
Background:	ROR2 is a tyrosine-protein kinase receptor which may be involved in the early formation of the

Target Details

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.

Molecular Weight: 104757

Gene ID: 4920

NCBI Accession: [NP_004551](#)

UniProt: [Q01974](#)

Pathways: [RTK Signaling](#), [WNT Signaling](#)

Application Details

Application Notes: WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

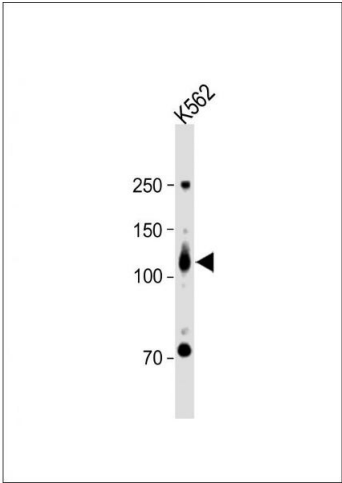
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: 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.

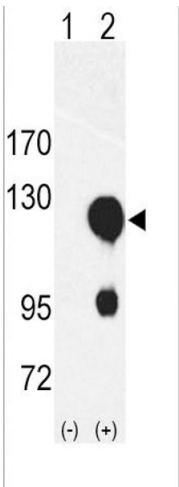
Expiry Date: 6 months

Product cited in: Wibowo, Chuan, Seth, Cordoba, Lua, Middelberg: "Co-administration of non-carrier nanoparticles boosts antigen immune response without requiring protein conjugation." in: **Vaccine**, Vol. 32, Issue 29, pp. 3664-9, (2014) ([PubMed](#)).



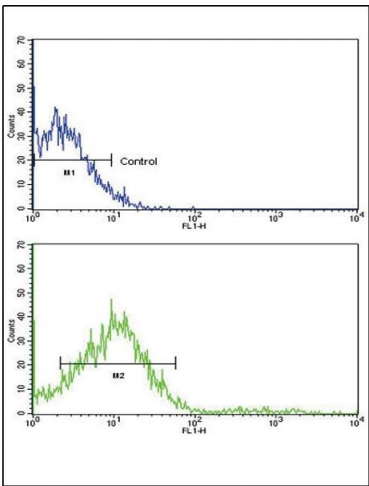
Western Blotting

Image 1. All lanes : Anti-ROR2 Antibody (N-term) at 1:1000 dilution + K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (AS) at 1/15000 dilution. Observed band size : 105 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



Western Blotting

Image 2. Western blot analysis of ROR2 (arrow) using rabbit polyclonal ROR2 Antibody (N-term) (ABIN392044 and ABIN2841812). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the ROR2 gene (Lane 2) (Origene Technologies).



Flow Cytometry

Image 3. Flow cytometric analysis of NCI-H460 cells using ROR2 Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Images

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN392044.