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# Product datasheet for AP14416PU-N

## ROR2 Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | IHC, WB |
| **Recommended Dilution:** | ELISA: 1/1,000.<br>Western blotting: 1/50 - 1/100.<br>Immunohistochemistry: 1/10 - 1/50. |
| **Reactivity:** | Human |
| **Host:** | Rabbit |
| **Isotype:** | Ig |
| **Clonality:** | Polyclonal |
| **Immunogen:** | This antibody is generated from rabbits immunized with a recombinant protein of human ROR2. |
| **Specificity:** | This antibody reacts to ROR2. |
| **Formulation:** | PBS with 0.09% (W/V) sodium azide<br>State: Purified<br>State: Liquid purified Ig |
| **Concentration:** | lot specific |
| **Purification:** | Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **Gene Name:** | receptor tyrosine kinase like orphan receptor 2 |
| **Database Link:** | Entrez Gene 4920 Human<br>Q01974 |

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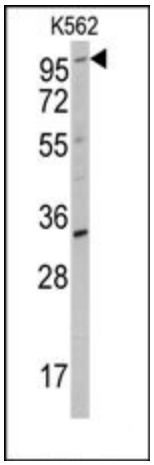
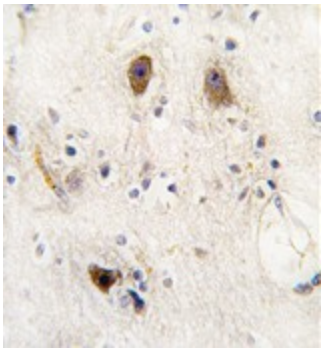
**Background:** ROR2 is a tyrosine-protein kinase receptor which may be involved in the early formation of the chondrocytes. It seems to be required for cartilage and growth plate development. This Type I membrane protein is expressed at high levels during early embryonic development. The expression 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

## Product images:




Western blot analysis of anti-ROR2 Antibody in K562 cell line lysates (35ug/lane). ROR2 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain tissue reacted with ROR2 antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.