

ROR2 (E524) polyclonal antibody

Catalog: BCP01447

Host: Rabbit

Reactivity: Human,Rat

BackGround:

ROR2 (receptor tyrosine kinase-like orphan receptor 2), also known as neurotrophic tyrosine kinase receptor-related 2 (NTRKR2), is a single pass transmembrane tyrosine-protein kinase receptor. It contains a cytoplasmic tyrosine kinase domain, distally located serine-threonine-rich domains, an extracellular immunoglobulin-like domain, a cysteine-rich domain and a kringle domain. ROR2 is important for skeletal and endocrine development and is required for cartilage and growth plate development. It promotes the differentiation of osteoblasts and plays an important role in the early formation of chondrocytes. ROR2 sequesters and associates with Dlxin-1 affecting the transcriptional function of Msx-2. ROR2 also interacts with canonical Wnt1 and Wnt3, regulating their signaling pathways. Defects in ROR2 can result in the autosomal dominant skeletal disorder, brachydactyly type B1 or the autosomal recessive skeletal disorder, Robinow syndrome.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 135 kDa

Swiss-Prot:

Q01974

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

ROR2 (E524) polyclonal antibody detects endogenous levels of ROR2 protein.

DATA:



Western blot (WB) analysis of ROR2 (E524) pAb at 1:1000 dilution

Lane1:PC12 whole cell lysate(40ug)

Lane2:L02 whole cell lysate(40ug)

Lane3:A549 whole cell lysate(30ug)

Lane4:HEK293T whole cell lysate(40ug)

Note:

For research use only, not for use in diagnostic procedure.