

# ROR2 Polyclonal antibody

Catalog Number: 25842-1-AP

## Basic Information

**Catalog Number:**

25842-1-AP

**Size:**

700 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG22959

**GenBank Accession Number:**

BC130522

**GeneID (NCBI):**

4920

**UNIPROT ID:**

Q01974

**Full Name:**

receptor tyrosine kinase-like orphan receptor 2

**Calculated MW:**

943 aa, 105 kDa

**Observed MW:**

105 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:8000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human

**Positive Controls:**

WB : HeLa cells, HepG2 cells, T-47D cells, K-562 cells

## Background Information

Tyrosine-protein kinase transmembrane receptor ROR2 belongs to the ROR-family of receptor tyrosine kinases (RTKs) (PMID: 12815588). ROR2 is a developmentally regulated protein that has significant expression and roles in a wide variety of tissues during early embryonic development. It was established that ROR2 plays a key role in skeletal and neural organogenesis, as well as in midgut development in the mouse, but then becomes repressed in adult tissues. It may act as a receptor for wnt ligand WNT5A which may result in the inhibition of WNT3A-mediated signaling (PMID: 25614331). Mutations in ROR2 gene are associated with autosomal recessive Robinow syndrome and autosomal dominant brachydactyly type B (PMID: 12815588).

## Storage

**Storage:**

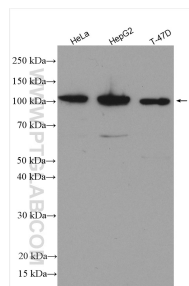
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25842-1-AP (ROR2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.