

## 12-9614: Anti-ROR1 antibody(151A5), IgG1 Chimeric mAb

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	151A5
<b>Application :</b>	WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	ROR1
<b>Uniprot ID :</b>	Q01973
<b>Alternative Name :</b>	ROR1;NTRKR1
<b>Isotype :</b>	Rabbit/Human Fc chimeric IgG1

### Description

This gene encodes a receptor tyrosine kinase-like orphan receptor that modulates neurite growth in the central nervous system. The encoded protein is a glycosylated type I membrane protein that belongs to the ROR subfamily of cell surface receptors. It is a pseudokinase that lacks catalytic activity and may interact with the non-canonical Wnt signalling pathway. This gene is highly expressed during early embryonic development but expressed at very low levels in adult tissues. Increased expression of this gene is associated with B-cell chronic lymphocytic leukaemia. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2012]

### Product Info

<b>Amount :</b>	10µg / 100 µg
<b>Purification :</b>	Purified from cell culture supernatant by affinity chromatography
<b>Content :</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<b>Storage condition :</b>	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

### Application Note

WB 1/1000

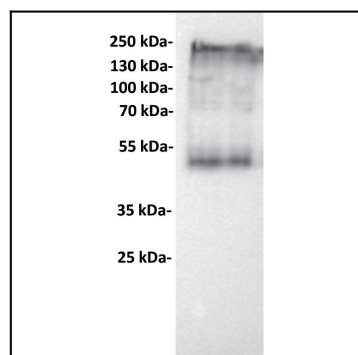
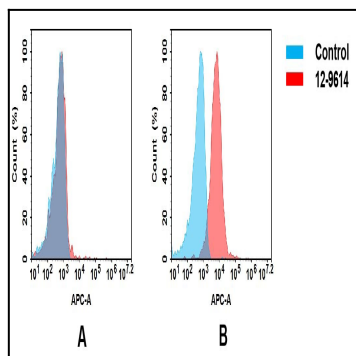


Figure 1. Anti-ROR1 antibody (Cat# 12-9614) at 1/1000 dilution Lane : 293T-ROR1, whole cell lysate Secondary : Goat Anti-Rabbit IgG H&L (HRP) at 1/5000 dilution  
Predicted band size: 104 kDa Observed band size: 110 kDa



"Figure 2. Flow cytometry analysis of antigen binding of anti-human ROR1 mAb (12-9614). (A) 12-9614 does not bind to CHO-S cells that do not express ROR1. (B) A clear peak shift of 12-9614 was seen compared to the control when incubated with ROR1-expressing AGS cells, indicating strong binding of 12-9614 to ROR1. Antibodies were incubated at 5 µg/mL. "