Recombinant Chimeric (rabbit/human) Anti-ROR1 Antibody (Y31)

Cat. No: HPAB-0219-CN

PRODUCT INFORMATION

**Product Overview**

Chimeric rabbit/human IgG1 Y31 has specificity for the extracellular domain of human receptor tyrosine kinase-like orphan receptor 1 (ROR1). Y31 has subnanomolar avidity for ROR1 and can be used to specifically distinguish (i) tumor cells obtained from lymphoma patients from (ii) normal B-cells taken from healthy subjects.

**Host**

Human

**Specificity**

Human ROR1

**Target**

ROR1 (Receptor tyrosine kinase-like orphan receptor 1)

**Immunogen**

Fc-hROR1

**Derivation**

Chimeric (Rabbit/Human)

**Species Reactivity**

Human, Mouse

**Type**

Chimeric (Rabbit/Human) IgG1

**Expression Host**

CHO

**Clone**

Y31

**Affinity Constant**

KD=7.1E-10 M

**Applications**

Used for immunoassay techniques such as: Enzyme Linked Immunosorbent Assay; Flow Cytometry

**Epitope**

An epitope at the conjunction of Fz and Kr domains partially overlap

**Storage**

Store at -20°C for long-term storage. Avoid freeze/thaw cycles.

**Related Disease**

Disorders associated with aberrant ROR1 expression, like tumor

ANTIGEN INFORMATION

**Introduction**

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.

**Alternative Names**

ROR1; receptor tyrosine kinase-like orphan receptor 1; NTRKR1; dJ537F10.1; tyrosine-protein kinase transmembrane receptor ROR1; neurotrophic tyrosine kinase, receptor-related 1

**Gene ID**

4919

**UniProt ID**

Q01973

RELATED PRODUCTS
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<th>Description</th>
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<td>HPAB-0548LY-F(E)</td>
<td>Rabbit Anti-ROR1 Antibody Fab Fragment (ERR1-TOP22)</td>
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<tr>
<td>TAB-340CT</td>
<td>Anti-Human ROR 1 Therapeutic Antibody (009-G03)</td>
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<tr>
<td>HPAB-M0368-YC</td>
<td>Recombinant Human Anti-ROR1 Antibody (RR1B71)</td>
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<tr>
<td>TAB-338CT</td>
<td>Anti-Human ROR 1 Therapeutic Antibody (4C10)</td>
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<tr>
<td>HPAB-M0200-YC-S(P)</td>
<td>Recombinant Humanized Anti-ROR1 Antibody scFv Fragment (huXBR1-402)</td>
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<tr>
<td>HPAB-0592LY</td>
<td>Recombinant Humanized Anti-ROR1 Antibody (83B)</td>
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<td>HPAB-0587LY</td>
<td>Recombinant Humanized Anti-ROR1 Antibody (V68)</td>
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<td>HPAB-0578LY-F(E)</td>
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