Product datasheet

Anti-ROR1 antibody [2H6] ab91187

1 References  3 Images

Overview

Product name  Anti-ROR1 antibody [2H6]
Description  Mouse monoclonal [2H6] to ROR1
Host species  Mouse
Tested applications  Suitable for: Flow Cyt, WB, ELISA, ICC/IF
Species reactivity  Reacts with: Human
Immunogen  Recombinant fragment, corresponding to extracellular amino acids 30-406 of Human ROR1 fused with hlgGFC tag, expressed in HEK293 cells.
Positive control  Recombinant extracellular fragment (aa30-406) of Human ROR1 and HEK293 cells transfected with extracellular ROR1 (aa30-406)-hlgGFC.
General notes  This product was changed from ascites to supernatant. Lot no’s high than GR218279-13 are from Tissue Culture Supernatant

Properties

Form  Liquid
Storage instructions  Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer  Preservative: 0.05% Sodium azide
Constituent: PBS
Purity  Protein G purified
Purification notes  Purified from tissue culture supernatant.
Clonality  Monoclonal
Clone number  2H6
Isotype  IgG1

Applications

Our Abpromise guarantee covers the use of ab91187 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
Function: Tyrosine-protein kinase receptor whose role is not yet clear.

Tissue specificity: Expressed strongly in human heart, lung and kidney, but weakly in the CNS. Isoform Short is strongly expressed in fetal and adult CNS and in a variety of human cancers, including those originating from CNS or PNS neuroectoderm.

Sequence similarities: Belongs to the protein kinase superfamily. Tyr protein kinase family. ROR subfamily. Contains 1 FZ (frizzled) domain. Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 kringle domain. Contains 1 protein kinase domain.

Developmental stage: 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.

Cellular localization: Membrane.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cyt</td>
<td></td>
<td>Use 2µg for 10^6 cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.</td>
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<tr>
<td>ELISA</td>
<td>1/10000.</td>
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<tr>
<td>ICC/IF</td>
<td>1/200 - 1/1000.</td>
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</tbody>
</table>

Target

Function: Tyrosine-protein kinase receptor whose role is not yet clear.

Tissue specificity: Expressed strongly in human heart, lung and kidney, but weakly in the CNS. Isoform Short is strongly expressed in fetal and adult CNS and in a variety of human cancers, including those originating from CNS or PNS neuroectoderm.

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Images

Anti-ROR1 antibody [2H6] (ab91187) at 1/500 dilution + recombinant extracellular fragment (aa30-406) of Human ROR1

Predicted band size: 104 kDa
Immunocytochemistry/ Immunofluorescence - Anti-ROR1 antibody [2H6] (ab91187)

ab91187 at 1/200 dilution staining ROR1 in HEK293 cells transfected with extracellular ROR1 (aa30-406)-hIgGFc by Confocal Immunofluorescence (green). DRAQ5 fluorescent DNA dye (blue).

Overlay histogram showing A549 cells stained with ab91187 (red line). The cells were fixed with 80% methanol (5 min) and incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab91187, 2µg/1x10^6 cells) for 30 min at 22ºC. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (ab96879) at 1/500 dilution for 30 min at 22ºC. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (ab91353, 2µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed.

Please note that Abcam do not have any data for use of this antibody on non-fixed cells. We welcome any customer feedback.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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