Product datasheet

Anti-Endothelin A Receptor/ET-A antibody ab117521

1 Abreviews  6 References  3 Images

Overview

Product name: Anti-Endothelin A Receptor/ET-A antibody
Description: Rabbit polyclonal to Endothelin A Receptor/ET-A
Host species: Rabbit
Tested applications: Suitable for: WB, IHC-P, ICC/IF
Species reactivity: Reacts with: Mouse, Human
Predicted to work with: Cow, Dog, Pig
Immunogen: Synthetic peptide corresponding to Mouse Endothelin A Receptor/ET-A aa 408-427 (C terminal) conjugated to keyhole limpet haemocyanin.
Sequence:
KNQEQNNHINTERSSHKDSMN
Positive control: Mouse dorsal root ganglia; Mouse heart tissue; Endothelin A Receptor/ET-A transfected cells; Mouse heart lysate
General notes: We have received mixed feedback about mouse cross reactivity, some lot works and some doesn't so we no longer guarantee this species.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer: Preservative: 0.02% Sodium azide
Constituent: 99% Whole serum
Purity: Whole antiserum
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab117521 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
<table>
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<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>WB</td>
<td></td>
<td>1/5000. Predicted molecular weight: 49 kDa.</td>
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<tr>
<td>ICC/IF</td>
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<td>1/5000.</td>
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</table>

**Target**

**Function**

Receptor for endothelin-1. Mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. The rank order of binding affinities for ET-A is: ET1 > ET2 >> ET3.

**Tissue specificity**

Isoform 1, isoform 3 and isoform 4 are expressed in a variety of tissues, with highest levels in the aorta and cerebellum, followed by lung, atrium and cerebral cortex, lower levels in the placenta, kidney, adrenal gland, duodenum, colon, ventricle and liver but no expression in umbilical vein endothelial cells. Within the placenta, isoform 1, isoform 2, isoform 3 and isoform 4 are expressed in the villi and stem villi vessels.

**Sequence similarities**

Belongs to the G-protein coupled receptor 1 family. Endothelin receptor subfamily. EDNRA sub-subfamily.

**Cellular localization**

Cell membrane.

**Images**

*ab117521, at 1/5000 dilution, staining Endothelin A Receptor/ET-A in HEK293 transfected with Endothelin A receptor cells by Immunocytochemistry.*

**Immunocytochemistry/ Immunofluorescence - Anti-Endothelin A Receptor/ET-A antibody (ab117521)**
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Endothelin A Receptor/ET-A antibody (ab117521)

ab117251, at 1/2000 dilution, staining Endothelin A Receptor/ET-A in the atrium of mouse heart by Immunohistochemistry.

Western blot - Anti-Endothelin A Receptor/ET-A antibody (ab117521) at 1/5000 dilution + Mouse heart lysate

Predicted band size: 49 kDa

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

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