Product datasheet

Anti-GW182 antibody ab84403

Overview

Product name
Anti-GW182 antibody

Description
Rabbit polyclonal to GW182

Host species
Rabbit

Tested applications
Suitable for: ICC/IF, IHC-P
Unsuitable for: WB

Species reactivity
Reacts with: Mouse, Human

Predicted to work with: Rat

Immunogen
A 16 amino acid peptide from near the C terminal residues of human GW182 protein (NM_020847; Q8NDV7).

Positive control
Brain lysates.

Properties

Form
Lyophilised: Reconstitute with 200ul distilled sterile water. Please note that if you receive this product in liquid form it has already been reconstituted as described and no further reconstitution is necessary.

Storage instructions
Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

Storage buffer
Preservative: 0.02% Sodium azide
Constituent: 1% BSA

Purity
Protein A purified

Clonality
Polyclonal

Isotype
IgG

Applications

Our Abpromise guarantee covers the use of ab84403 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
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<tbody>
<tr>
<td>ICC/IF</td>
<td>★★★★☆</td>
<td>Use at an assay dependent concentration.</td>
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**Application**

IHC-P

**Abreviews Notes**

Use a concentration of 1 µg/ml.

**Application notes**

Is unsuitable for WB.

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**Target**

**Function**

Plays a role in RNA-mediated gene silencing by both micro-RNAs (miRNAs) and short interfering RNAs (siRNAs). Required for miRNA-dependent repression of translation and for siRNA-dependent endonucleolytic cleavage of complementary mRNAs by argonaute family proteins.

**Tissue specificity**

Ubiquitous.

**Sequence similarities**

Belongs to the GW182 family.
Contains 1 RRM (RNA recognition motif) domain.

**Cellular localization**

Cytoplasm > P-body. Mammalian P-bodies are also known as GW bodies.

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**Images**

IHC image of ab84403 staining in Breast Cancer formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab84403, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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