Product datasheet

Anti-DDAH2 antibody [EPR15508(B)] ab184166

Overview

Product name: Anti-DDAH2 antibody [EPR15508(B)]
Description: Rabbit monoclonal [EPR15508(B)] to DDAH2
Host species: Rabbit
Tested applications: Suitable for: WB, IP
Species reactivity: Reacts with: Mouse, Rat, Human
Immunogen: Synthetic peptide within Human DDAH2 aa 1-100. The exact sequence is proprietary.
Database link: O95865
Positive control: MCF7, Human fetal brain, Human fetal heart and Human testis lysates.
General notes:

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

This product is a recombinant rabbit monoclonal antibody.

Properties

Form: Liquid


Storage buffer: Preservative: 0.01% Sodium azide
Constituents: 59% PBS, 40% Glycerol, 0.05% BSA

Purity: Protein A purified

Clonality: Monoclonal

Clone number: EPR15508(B)

Isotype: IgG

Applications
Function
Hydrolyzes N(G),N(G)-dimethyl-L-arginine (ADMA) and N(G)-monomethyl-L-arginine (MMA) which act as inhibitors of NOS. Has therefore a role in the regulation of nitric oxide generation.

Tissue specificity
Detected in heart, placenta, lung, liver, skeletal muscle, kidney and pancreas, and at very low levels in brain.

Sequence similarities
Belongs to the DDAH family.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td>⭐⭐⭐⭐⭐</td>
<td>1/1000 - 1/10000. Detects a band of approximately 30 kDa (predicted molecular weight: 30 kDa).</td>
</tr>
<tr>
<td>IP</td>
<td></td>
<td>1/40 - 1/60.</td>
</tr>
</tbody>
</table>

Target

Function
Hydrolyzes N(G),N(G)-dimethyl-L-arginine (ADMA) and N(G)-monomethyl-L-arginine (MMA) which act as inhibitors of NOS. Has therefore a role in the regulation of nitric oxide generation.

Tissue specificity
Detected in heart, placenta, lung, liver, skeletal muscle, kidney and pancreas, and at very low levels in brain.

Sequence similarities
Belongs to the DDAH family.

Images

Western blot analysis of immunoprecipitation pellet from Human fetal brain tissue lysate (lane 1) or a PBS control (lane 2) immunoprecipitated using ab184166 at 1/50 dilution. Secondary: Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 dilution.

Immunoprecipitation - Anti-DDAH2 antibody [EPR15508(B)] (ab184166)
Western blot - Anti-DDAH2 antibody [EPR15508(B)] (ab184166)

All lanes: Anti-DDAH2 antibody [EPR15508(B)] (ab184166) at 1/10000 dilution

Lane 1: MCF7 cell line lysate
Lane 2: Human fetal brain tissue lysate
Lane 3: Human testis tissue lysate
Lane 4: Human fetal heart tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary
All lanes: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated antibody at 1/1000 dilution

Predicted band size: 30 kDa

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit [https://www.abcam.com/abpromise](https://www.abcam.com/abpromise) or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors