Anti-Mesothelin antibody ab168740

Overview

Product name: Anti-Mesothelin antibody
Description: Mouse polyclonal to Mesothelin
Host species: Mouse
Tested applications: Suitable for: WB, ICC/IF
Species reactivity: Reacts with: Human
Immunogen: Recombinant full length protein corresponding to amino acids 1-621 of Human Mesothelin Isoform 4 (AAH03512.1)
Positive control: Mesothelin transfected 293T cell lysate

Properties

Form: Liquid
Storage buffer: pH: 7.20
Constituent: 100% PBS
Purity: Protein A purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab168740 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>
</thead>
<tbody>
<tr>
<td>WB</td>
<td></td>
<td>Use a concentration of 1 µg/ml. Predicted molecular weight: 68 kDa.</td>
</tr>
<tr>
<td>ICC/IF</td>
<td></td>
<td>Use a concentration of 10 µg/ml.</td>
</tr>
</tbody>
</table>
Target

**Function**  
Membrane-anchored forms may play a role in cellular adhesion.  
Megakaryocyte-potentiating factor (MPF) potentiates megakaryocyte colony formation in vitro.

**Tissue specificity**  
Expressed in lung. Expressed at low levels in heart, placenta and kidney. Expressed in mesothelial cells. Highly expressed in mesotheliomas, ovarian cancers, and some squamous cell carcinomas (at protein level).

**Involvement in disease**  
Note=Antibodies against MSLN are detected in patients with mesothelioma and ovarian cancer.

**Sequence similarities**  
Belongs to the mesothelin family.

**Post-translational modifications**  
Both MPF and the cleaved form of mesothelin are N-glycosylated.

**Proteolytically cleaved by a furin-like convertase to generate megakaryocyte-potentiating factor (MPF), and the cleaved form of mesothelin.**

**Cellular localization**  

Images

**Western blot**  
- **All lanes**: Anti-Mesothelin antibody (ab168740) at 1 µg/ml
- **Lane 1**: Mesothelin transfected 293T cell lysate
- **Lane 2**: Non-transfected 293T cell lysate

Lysates/proteins at 15 µl per lane.

**Secondary**  
- **All lanes**: Goat Anti-Mouse IgG (H&L)-HRP Conjugated secondary antibody at 1/2500 dilution

**Predicted band size**: 68 kDa

**Immunocytochemistry/ Immunofluorescence**  
- Immunofluorescence analysis of HeLa cells labeling Mesothelin with ab168740 at 10 µg/ml.

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 or contact our technical team.

Terms and conditions

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