Anti-Mesothelin antibody ab215438

Overview

Product name
Anti-Mesothelin antibody

Description
Rabbit polyclonal to Mesothelin

Host species
Rabbit

Tested applications
Suitable for: Flow Cyt, IHC-P, WB

Species reactivity
Reacts with: Human

Immunogen
Synthetic peptide within Human Mesothelin aa 130-180 conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary.

Sequence:
AFSGPQACTRF FSRITKANVD LLPRGAPERQ
RLLPAALACW GVRGSSLSEA

Database link: Q13421

Positive control
HeLa and A549 cells; Human colon carcinoma tissue.

Properties

Form
Liquid

Storage instructions

Storage buffer
Preservative: 0.09% Sodium azide
Constituents: 1% BSA, 50% Glycerol

Purity
Protein A purified

Clonality
Polyclonal

Isotype
IgG

Applications

Our Abpromise guarantee covers the use of ab215438 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
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**

---

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cyt</td>
<td></td>
<td>1/20 - 1/100.</td>
</tr>
<tr>
<td>IHC-P</td>
<td></td>
<td>1/100 - 1/500.</td>
</tr>
<tr>
<td>WB</td>
<td></td>
<td>1/300.</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.

**Images**

- Anti-Mesothelin antibody (ab215438) at 1/300 dilution + Hela lysates

**Secondary**
- Conjugated secondary antibody at 1/10000 dilution
Flow cytometric analysis of A549 cells labeling Mesothelin with ab215438 at 1/100 dilution for 30 minutes followed by incubation with a conjugated secondary (PE-Conjugated) (green) for 30 minutes compared to control cells (blue), secondary only (light blue) and isotype control (orange).

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human colon carcinoma tissue labeling Mesothelin with ab215438 at 1/200 dilution, followed by conjugation to the secondary antibody and DAB staining.

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