Product datasheet

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:
AFSPQACTRF FSRITKANVD LLPRGAPERQ
RLLPAALACW GVRGSLLSEA

Database link: Q13421

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

Properties

Form: Liquid
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.

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).

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

Belongs to the mesothelin family.

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.


**Application** | **Abreviews** | **Notes**
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Flow Cyt | 1/20 - 1/100. | 
IHC-P | 1/100 - 1/500. | 
WB | 1/300. | 

**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**

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.

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