

Anti-Mesothelin Picoband Antibody

Catalog # ABO11978

Product Information

Application	E
Primary Accession	Q13421
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Mesothelin(MSLN) detection. Tested with WB, IHC-P, ELISA in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	10232
Other Names	Mesothelin, CAK1 antigen, Pre-pro-megakaryocyte-potentiating factor, Megakaryocyte-potentiating factor, MPF, Mesothelin, cleaved form, MSLN, MPF
Calculated MW	68070
Application Details	ELISA , 0.1-0.5 μ g/ml, Human, - Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, By Heat Western blot, 0.1-0.5 μ g/ml, Human
Subcellular Localization	Cell membrane; Lipid-anchor, GPI-anchor. Golgi apparatus.
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). .
Source	Eukaryota
Protein Name	Mesothelin
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	E.coli-derived human Mesothelin recombinant protein (Position: K306-L576). Human Mesothelin shares 57% and 56% amino acid (aa) sequence identity with mouse and rat Mesothelin, respectively.
Purification	Immunogen affinity purified.

Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.

Protein Information

Name	MSLN
Synonyms	MPF
Function	Membrane-anchored forms may play a role in cellular adhesion.
Cellular Location	Cell membrane; Lipid-anchor, GPI-anchor. Golgi apparatus [Isoform 5]: Secreted.
Tissue Location	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).

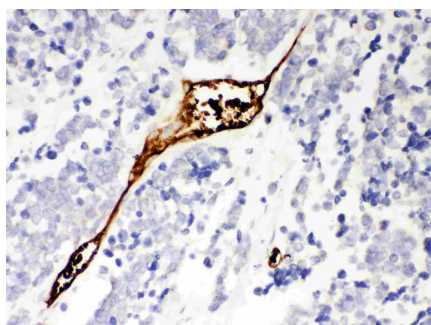
Background

Mesothelin, also known as MSLN or MPF is a protein that in humans is encoded by the MSLN gene. This gene is mapped to 16p13.3. This gene encodes a precursor protein that is cleaved into two products, megakaryocyte potentiating factor and mesothelin. Megakaryocyte potentiation factor functions as a cytokine that can stimulate colony formation in bone marrow megakaryocytes. Mesothelin is a glycosylphosphatidylinositol-anchored cell-surface protein that may function as a cell adhesion protein. This protein is overexpressed in epithelial mesotheliomas, ovarian cancers and in specific squamous cell carcinomas.

Images



Anti- Mesothelin Picoband antibody, ABO11978, Western blotting
All lanes: Anti Mesothelin (ABO11978) at 0.5ug/ml
WB: Recombinant Human Mesothelin Protein 0.5ng
Predicted bind size: 43KD
Observed bind size: 43KD



Anti- Mesothelin Picoband antibody, ABO11978, IHC(P)
IHC(P): Human Lung Cancer Tissue

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.