

Mesothelin Polyclonal antibody

Catalog Number: 15600-1-AP

Basic Information

Catalog Number: 15600-1-AP	GenBank Accession Number: BC003512	Purification Method: Antigen affinity purification
Size: 133 µg/ml	GeneID (NCBI): 10232	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q13421	
Isotype: IgG	Full Name: mesothelin	
Immunogen Catalog Number: AG7981	Calculated MW: 69 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls:
Species Specificity: human	IHC : human ovary tumor tissue, human pancreas cancer tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Mesothelin (MSLN) is a 40kDa GPI-anchored surface glycoprotein that is expressed on pleural and peritoneal mesothelial cells, but not in other non-neoplastic tissues. The mesothelin gene encodes a 69-71kDa precursor protein that is processed to a 40kDa membrane-bound protein termed mesothelin and a 31kDa shed fragment called megakaryocyte-potentiating factor (MPF) that is released from the cell. Mesothelin is a tumor differentiation antigen present at low levels on a restricted set of normal adult tissues (e.g. mesothelium), and is expressed at high levels in mesotheliomas, as well as ovarian, pancreatic, and lung cancers. Mesothelin may be a new target for immunotherapy (PMID: 20922056, 18691948, 15217923).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 15600-1-AP (mesothelin antibody at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 15600-1-AP (mesothelin antibody at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).