

For Research Use Only

Mesothelin Monoclonal antibody, PBS Only

Catalog Number: 66404-1-PBS



Basic Information

Catalog Number: 66404-1-PBS	GenBank Accession Number: BC003512	Purification Method: Protein G purification
Size: 1mg/ml	GeneID (NCBI): 10232	CloneNo.: 2E3A4
Source: Mouse	UNIPROT ID: Q13421	
Isotype: IgG1	Full Name: mesothelin	
Immunogen Catalog Number: AG23606	Calculated MW: 69 kDa	
	Observed MW: 69 kDa, 40 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

T: 4006900926

E: Proteintech-CN@ptglab.com

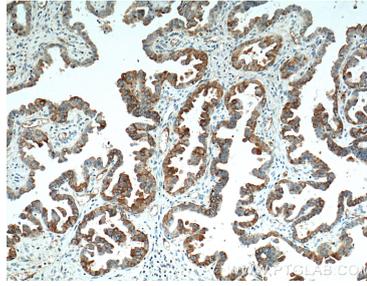
W: ptgcn.com

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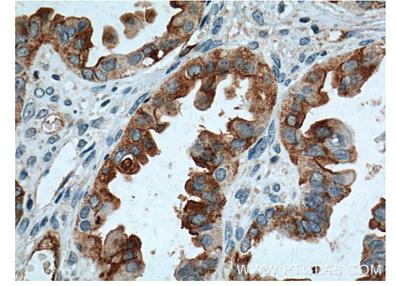
Selected Validation Data



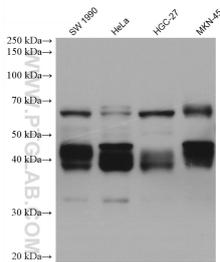
HeLa cells were subjected to SDS PAGE followed by western blot with 66404-1-Ig (Mesothelin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66404-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 66404-1-Ig (Mesothelin antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66404-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 66404-1-Ig (Mesothelin antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66404-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 66404-1-Ig (Mesothelin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66404-1-PBS in a different storage buffer formulation.