នុី Mesothelin (D4X7M) Rabbit mAb





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Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 46-48, 70	Source/Isotype: Rabbit IgG	UniProt ID: #Q13421	Entrez-Gene Id: 10232	
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
Specificity/Sen	sitivity	Mesothelin (D4X7M) Rabbit mAb recognizes endogenous levels of total mesothelin protein. The antibody recognizes both uncleaved (full-length) and cleaved forms of mesothelin, but does not detect the cleaved fragment corresponding to megakaryocyte-potentiating factor (MPF).					
Source / Purific	ation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly557 of human mesothelin protein.					
Background		The <i>MSLN</i> gene encodes a 69 kDa precursor protein that is proteolytically cleaved to yield megakaryocyte potentiating factor (MPF) and a GPI-anchored membrane protein termed mesothelin (1). Expression of (cleaved) mesothelin is largely confined to mesothelial cells of normal pleura, pericardium, and peritoneum, but has been reported to be overexpressed in some cancers, including mesothelioma, and some pancreatic and ovarian adenocarcinomas (1,2). Although suggested to be involved in cell adhesion, the physiological functions of mesothelin have not been determined. It is known, however, that mesothelin can be shed from the cell surface following cleavage by TNF- α converting enzyme. Research studies show that serum levels of mesothelin are markedly increased in patients with mesothelioma and ovarian cancer (1), suggesting that serum mesothelin levels may have utility as a cancer biomarker (1-3).					
Background Re	eferences	1. Pastan, I. and Hassa 2. Villena-Vargas, J. and 3. Hassan, R. et al. (200	l Adusumilli, P.S. (2	2012) Ann Cardiothorac	<i>Surg</i> 1, 466-71.		
Species Reactiv	/ity	Species reactivity is det	termined by testin	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot B	uffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.					
Applications Ke	ey	W: Western Blotting IP: Immunoprecipitation					
Cross-Reactivit	у Кеу	H: Human					
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