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Datasheet for ABIN6939977 anti-EpCAM antibody (Extracellular Domain)

9 Images



Overview

Quantity:	100 µg
Target:	EpCAM (EPCAM)
Binding Specificity:	AA 77-202, Extracellular Domain
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EpCAM antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human EpCAM fragment from extracellular domain (around aa 77-202) (exact sequence is proprietary)
Clone:	EGP40-1372
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G
Target Details	
Target:	EpCAM (EPCAM)
Alternative Name:	TACSTD1 (EPCAM Products)

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Target DetailsBackground:EGP40 is a 40-43 kDa transmembrane epithelial glycoprotein, also identified as epithelial
specific antigen (ESA), or epithelial cellular adhesion molecule (Ep-CAM). It is expressed on
baso-lateral cell surface in most simple epithelia and a vast majority of carcinomas. This
antibody has been used to distinguish adenocarcinoma from pleural mesothelioma and
hepatocellular carcinoma. This antibody is also useful in distinguishing serous carcinomas of
the ovary from mesothelioma.Molecular Weight:40-43kDaGene ID:4072UniProt:P16422

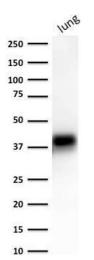
Application Details

Application Notes:	Positive Control: MCF-7, HT29 cells. Ovarian carcinoma.
	Known Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL),
	Western Blot (1-2 $\mu g/mL$), Immunohistochemistry (Formalin-fixed) (1-2 $\mu g/mL$ for 30 min at
	RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate
	Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a
	specific application should be determined.
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

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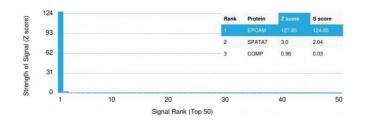


Western Blotting

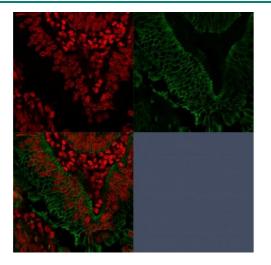
Image 1. Western Blot of human lung lysate using EpCAM-Monospecific Mouse Monoclonal Antibody (EGP40/1372).

Protein Array

Image 2. Analysis of Protein Array containing >19,000 fulllength human proteins using EpCAM-Monospecific Mouse Monoclonal Antibody (EGP40/1372) Z- and S- Score: The Zscore represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Zscore, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



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Immunofluorescence

Image 3. Confocal Immunofluorescence of human Colorectal Carcinoma. EpCAM-Monospecific Mouse Monoclonal Antibody (EGP40/1372) labeled with CF488 (green); Nuclei are labeled with Reddot (red).

Please check the product details page for more images. Overall 9 images are available for ABIN6939977.