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## Datasheet for ABIN6939974 anti-EpCAM antibody (Cytoplasmic Domain)

8 Images



Overview

Quantity:	100 µg
Target:	EpCAM (EPCAM)
Binding Specificity:	AA 280-350, Cytoplasmic Domain
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EpCAM antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

## Product Details

Immunogen:	A recombinant fragment from the cytoplasmic domain (around aa 280-350) of human EpCAM (exact sequence is proprietary)
Clone:	EGP40-1110
Isotype:	lgG2b kappa
Purification:	Purified by Protein A/G

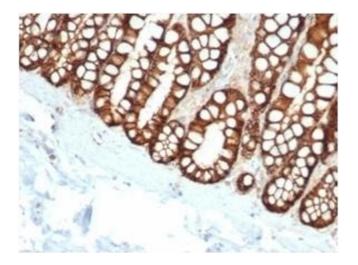
### Target Details

Target:	EpCAM (EPCAM)
Alternative Name:	TACSTD1 (EPCAM Products)
Background:	EGP40 is a 40-43 kDa transmembrane epithelial glycoprotein, also identified as epithelial

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## Target Details

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	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:	40-43kDa
Gene ID:	4072
UniProt:	P16422
Application Details	
Application Notes:	Positive Control: Colon or ovarian tissues (IHC).
	Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1 $\mu$ 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

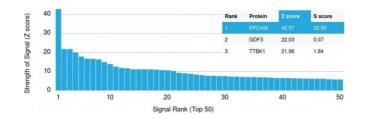


#### Immunohistochemistry

**Image 1.** Formalin-fixed, paraffin-embedded feline (cat) small intestine stained with EpCAM Mouse Monoclonal Antibody (EGP40/1110).

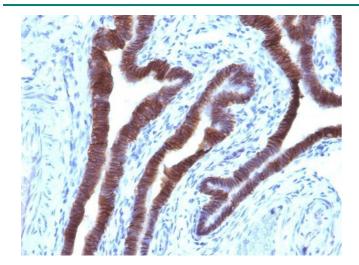
#### **Protein Array**

Image 2. Analysis of Protein Array containing >19,000 fulllength human proteins using EpCAM Mouse Monoclonal Antibody (EGP40/1110). Z- and S- Score: The Z-score 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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#### Images



#### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Ovarian Carcinoma stained with EpCAM Mouse Monoclonal Antibody (EGP40/1110).

Please check the product details page for more images. Overall 8 images are available for ABIN6939974.