

Datasheet for ABIN5646870

anti-EpCAM antibody (Extracellular Domain)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	EpCAM (EPCAM)
Binding Specificity:	AA 202-209, Extracellular Domain
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	A human partial recombinant protein corresponding to amino acids 100-224 (extracellular domain) was used as the immunogen for the anti-EpCAM antibody. The epitope has been mapped to the AA 202-209 region.
Clone:	EGP40-1372
Isotype:	IgG1
Purification:	Purified
Purity:	Protein G affinity chromatography

Target Details

Target:	EpCAM (EPCAM)
Alternative Name:	EpCAM (EPCAM Products)

Target Details

Background:	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.
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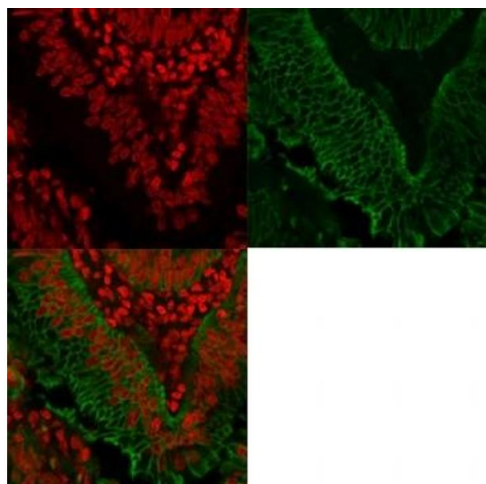
Application Details

Application Notes:	Titring of the anti-EpCAM antibody may be required for optimal performance. 1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.\. Flow Cytometry: 0.5-1 µg/million cells in 0.1ml,Western Blot: 0.5-1 µg/mL,Immunofluorescence: 1-2 µg/mL,Immunohistochemistry (FFPE): 0.5-1 µg/mL for 30 min at RT,Prediluted IHC only format: incubate for 30 min at RT (1)
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Restrictions:	For Research Use only
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Handling

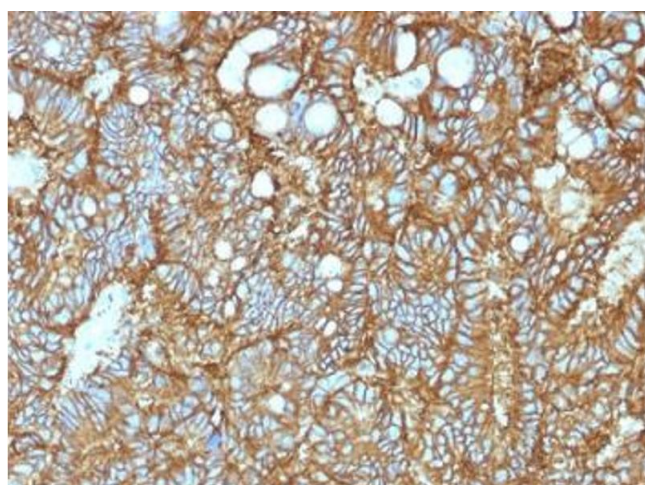
Concentration:	0.2 mg/mL
Buffer:	0.2 mg/mL in 1X PBS with 0.1 mg/mL BSA (US sourced) and 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store the anti-EpCAM antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



Microarray

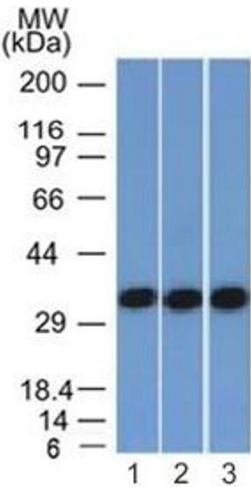
Image 1. Protein array validation of the anti-EpCAM antibody: Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using the anti-EpCAM antibody (clone EGP40/1372). These results demonstrate the foremost specificity of the EGP40/1372 mAb.

Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE

Image 2. SDS-PAGE Analysis of Purified, BSA-Free EpCAM Antibody (clone EGP40/1372). Confirmation of Integrity and Purity of the Antibody.



Immunohistochemistry

Image 3. IHC testing of FFPE human colorectal carcinoma and anti-EpCAM antibody (clone EGP40/1372). Required HIER: steam sections in pH6 citrate buffer for 10-20 min.