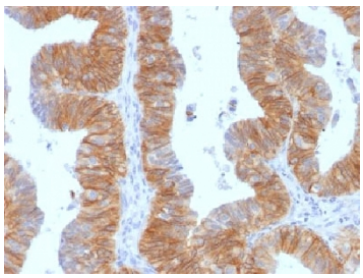
EpCAM Antibody / Extracellular domain [clone EGP40/1384] (V3358)

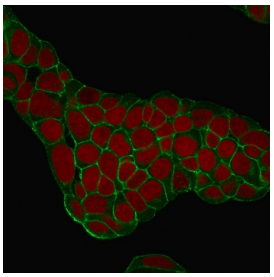
Catalog No.	Formulation	Size
V3358-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3358-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3358SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

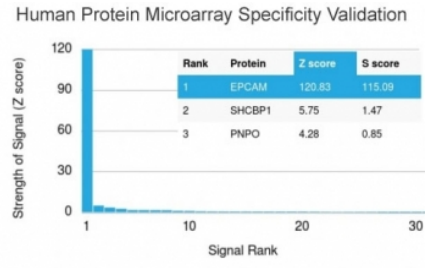
Availability	1-3 business days
Species Reactivity	Human, Dog, Cat
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG
Clone Name	EGP40/1384
Purity	Protein G affinity chromatography
UniProt	P16422
Localization	Cell surface, cytoplasmic
Applications	ELISA: order BSA/sodium azide-free format for coating Immunofluorescence: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT Western blot: 1-2ug/ml
Limitations	This EpCAM antibody is available for research use only.



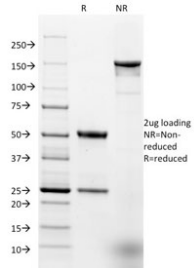
EpCAM Antibody Ovarian Carcinoma IHC. Immunohistochemistry testing of FFPE human ovarian carcinoma and EpCAM antibody (clone EGP40/1384). Required HIER: steam sections in pH6 citrate buffer for 10-20 min.



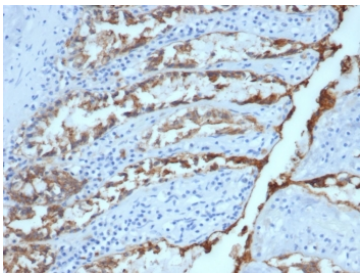
Immunofluorescent staining of human MCF-7 cells with EpCAM antibody (green, clone EGP40/1384) and Reddot nuclear stain (red).



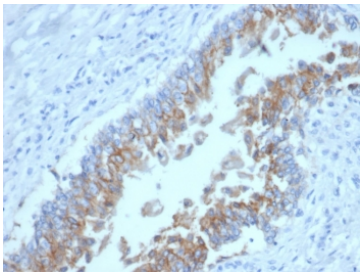
Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using EpCAM antibody (clone EGP40/1384). These results demonstrate the foremost specificity of the EGP40/1384 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination 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.



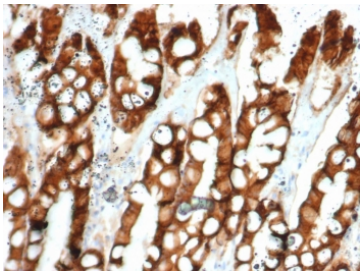
SDS-PAGE analysis of purified, BSA-free EpCAM antibody (clone EGP40/1384) as confirmation of integrity and purity.



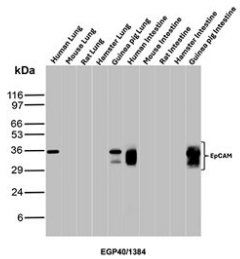
EpCAM Antibody Dog Colon Tissue IHC. Immunohistochemistry testing of FFPE dog colon and EpCAM antibody (clone EGP40/1384). HIER: steam sections in pH9 EDTA for 10-20 min.



EpCAM Antibody Dog Bladder Tissue IHC. Immunohistochemistry testing of FFPE dog bladder and EpCAM antibody (clone EGP40/1384). HIER: steam sections in pH9 EDTA for 10-20 min.



EpCAM Antibody Cat Small Intestine Tissue IHC. Immunohistochemistry testing of FFPE cat small intestine and EpCAM antibody (clone EGP40/1384). HIER: steam sections in pH9 EDTA for 10-20 min.



EpCAM Antibody Human Mouse Rat Hamster Guinea pig WB. Western blot testing of human, mouse, rat, hamster and guinea pig tissue lysate samples with EpCAM antibody. Expected molecular weight: ~35 kDa (unmodified), 40-43 kDa (glycosylated).

Description

EpCAM Antibody specifically detects Epithelial Cell Adhesion Molecule, also known as CD326, which plays a crucial role in various cellular processes and has been linked to the development and progression of cancer. EpCAM is a transmembrane glycoprotein that is expressed in high levels on the surface of epithelial cells. In cancer cells, the expression of EpCAM is often upregulated, leading to increased cell proliferation, invasion, and metastasis. Studies have shown that high levels of EpCAM are associated with poor prognosis in various types of cancer, including breast, colon, and lung cancer. The overexpression of EpCAM in cancer cells makes it an attractive target for diagnostic and therapeutic purposes. Researchers are exploring the use of EpCAM as a biomarker for early cancer detection through blood tests and imaging techniques. In addition, EpCAM-targeted therapies, such as monoclonal antibodies and immunotherapies, are being developed to specifically target and kill cancer cells that overexpress EpCAM.

Explore our EpCAM Antibody / Epithelial Cell Marker Antibody page for additional validation data and applications involving epithelial cell identification, tissue organization, and epithelial-derived tumor research.

Application Notes

Titering of the EpCAM antibody may be required for optimal performance.

Immunogen

A human partial recombinant protein corresponding to amino acids 100-224 (extracellular domain) was used as the immunogen for the EpCAM antibody.

Storage

Store the EpCAM antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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