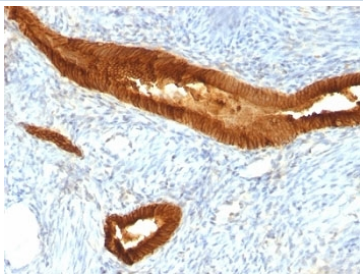
EpCAM Antibody [clone MOC-31] (V2690)

Catalog No.	Formulation	Size
V2690-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2690-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2690SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2690IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

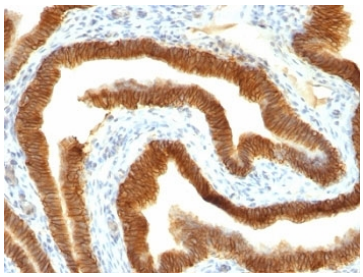
Citations (6)

Bulk quote request

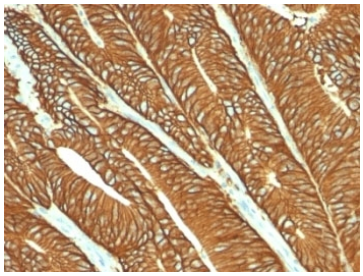
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	MOC-31
Purity	Protein G affinity chromatography
UniProt	P16422
Localization	Cell surface, cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This EpCAM antibody is available for research use only.



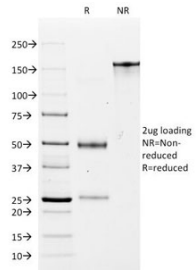
IHC: Formalin-fixed, paraffin-embedded human endometrial carcinoma stained with EpCAM antibody (MOC-31).



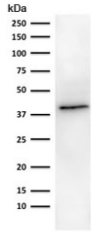
IHC: Formalin-fixed, paraffin-embedded human ovarian carcinoma stained with EpCAM antibody (MOC-31).



IHC: Formalin-fixed, paraffin-embedded human colon carcinoma stained with EpCAM antibody (MOC-31).



SDS-PAGE Analysis of Purified, BSA-Free EpCAM Antibody (clone MOC-31). Confirmation of Integrity and Purity of the Antibody.



Western blot testing of human lung lysate with EpCAM antibody (clone MOC-31).

Description

Binding epitope of this antibody is located in the first EGF-like repeat domain (EGF1) between amino acids 27-59 of Ep-CAM. 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 with the exception of adult squamous epithelium, hepatocytes and gastric epithelial cells. 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.

Application Notes

Optimal dilution of the EpCAM antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min.
2. 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.
3. View the recombinant version of this EpCAM antibody.

Immunogen

Neuraminidase treated GLS-1 human small cell lung carcinoma cells were 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).