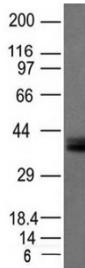


## EpCAM Antibody [clone EGP40/1120] (V2687)

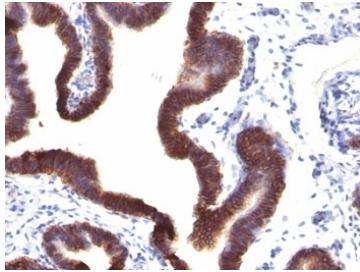
Catalog No.	Formulation	Size
V2687-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2687-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2687SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2687IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	EGP40/1120
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P16422
<b>Localization</b>	Cell surface & cytoplasmic
<b>Applications</b>	Flow Cytometry : 0.5-1ug/10 <sup>6</sup> cells Immunofluorescence : 1-2ug/ml Western Blot : 0.5-1ug/ml (non-reducing only) Immunohistochemistry (FFPE) : 0.25-0.5ug/ml for 30 min at RT
<b>Limitations</b>	This EpCAM antibody is available for research use only.



Western blot analysis of HCT116 cell lysate using EpCAM antibody (EGP40/1120).  
Expected molecular weight: ~35 kDa (unmodified), 40-43 kDa (glycosylated).



IHC: Formalin-fixed, paraffin-embedded human ovarian carcinoma stained with EpCAM antibody (EGP40/1120).

## Description

EGP40 is a 40-43kDa 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.

## 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.

## Immunogen

Recombinant full-length human protein was used as the immunogen for the EpCAM antibody.

## Storage

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

