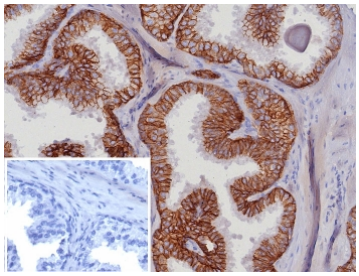
EpCAM Antibody / Epithelial Cell Adhesion Molecule [clone EGP40/8191R] (V4919)

Catalog No.	Formulation	Size
V4919-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4919-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4919SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

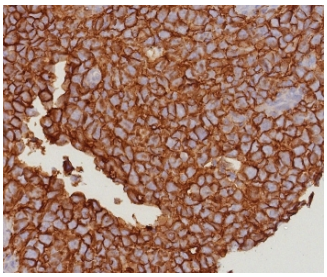
Recombinant RABBIT MONOCLONAL

Bulk quote request

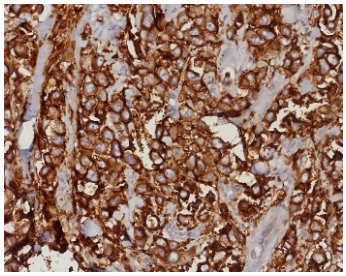
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	EGP40/8191R
Purity	Protein A affinity
UniProt	P16422
Localization	Cell surface
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This EpCAM antibody is available for research use only.



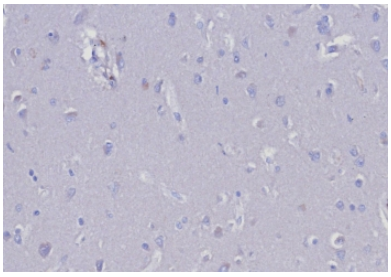
IHC staining of FFPE human prostate carcinoma tissue with EpCAM antibody (clone EGP40/8191R). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human bladder tissue with EpCAM antibody (clone EGP40/8191R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human mammary carcinoma tissue with EpCAM antibody (clone EGP40/8191R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Negative control: IHC testing of FFPE human tonsil tissue with EGP40 antibody (clone EGP40/8191R) at 2ug/ml. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

Epitope of this mAb is mapped between aa 202-212 of EGP40, which 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. Antibody to Ep-CAM 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.

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

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

Immunogen

A recombinant human EpCAM fragment from extracellular domain (within amino acids 100-224) was used as the immunogen for the EpCAM antibody. The epitope of this mAb is mapped between amino acids 202-212.

Storage

Aliquot the EpCAM antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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