

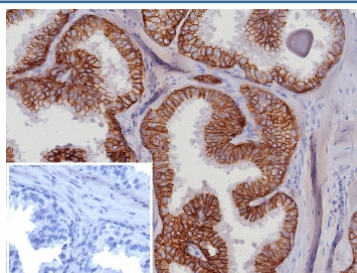
## EpCAM Antibody / Epithelial Cell Adhesion Molecule [clone EGP40/8191R] (V4919)

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

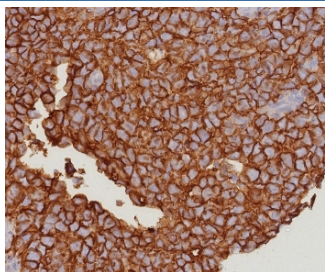
Recombinant **RABBIT MONOCLONAL**

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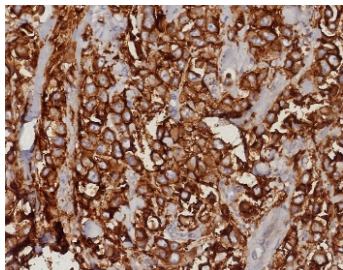
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	EGP40/8191R
Purity	Protein A affinity
UniProt	P16422
Localization	Cell surface
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations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



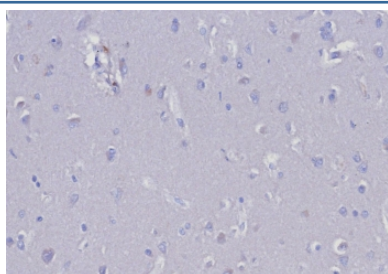
IHC staining of FFPE human prostate carcinoma tissue with EpCAM antibody (clone EGP40/8191R). Inset: PBS used in place of primary Ab (secondary Ab negative control).  
 HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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.

## 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.

