

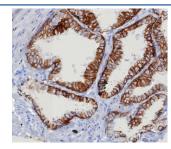
# EpCAM Antibody [clone EGP40/8130R] (V4918)

Catalog No.	Formulation	Size
V4918-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4918-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4918SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

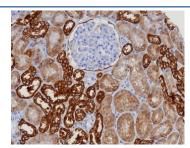
### Recombinant RABBIT MONOCLONAL

## **Bulk quote request**

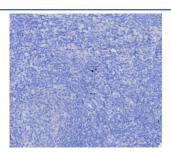
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	EGP40/8130R
Purity	Protein A affinity
UniProt	P16422
Localization	Cell surface
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This EpCAM antibody is available for research use only.



IHC staining of FFPE human prostate carcinoma tissue with EpCAM antibody (clone EGP40/8130R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC testing of FFPE human kidney tissue with EGP40 antibody (clone EGP40/8130R). 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 EGP40/8130R) 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**

EGP40, which is a 40-43kDa transmembrane epithelial glycoprotein, is 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.

#### **Storage**

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