

Datasheet for ABIN3024723

anti-EpCAM antibody (Cytoplasmic Domain)**6** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	EpCAM (EPCAM)
Binding Specificity:	Cytoplasmic Domain
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EpCAM antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	A recombinant human protein fragment from the cytoplasmic domain was used as the immunogen for the EpCAM antibody.
Clone:	EGP40-1110
Isotype:	IgG2b kappa
Purification:	Protein G affinity chromatography

Target Details

Target:	EpCAM (EPCAM)
Alternative Name:	EpCAM (EPCAM Products)

Target Details

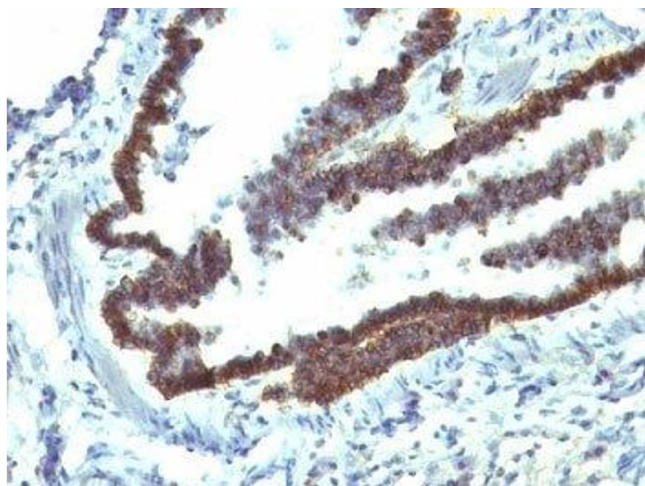
Background:	EGP40 is a 40-43 kDa transmembrane epithelial glycoprotein, also identified as epithelial specific antigen (ESA), or epithelial cellular adhesion molecule (Ep-CAM). It is expressed on baso-lateral cell surface in most simple epithelia and a vast majority of carcinomas. This antibody has been used to distinguish adenocarcinoma from pleural mesothelioma and hepatocellular carcinoma. This antibody is also useful in distinguishing serous carcinomas of the ovary from mesothelioma.
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Application Details

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 10 mM 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.\. Flow Cytometry: 0.5-1 µg/million cells in 0.1ml,Immunofluorescence: 1-2 µg/mL,Western blot: 0.5-1 µg/mL,Immunohistochemistry (FFPE): 0.5-1 µg/mL for 30 min at RT (1),Prediluted format : incubate for 30 min at RT (2)
Restrictions:	For Research Use only

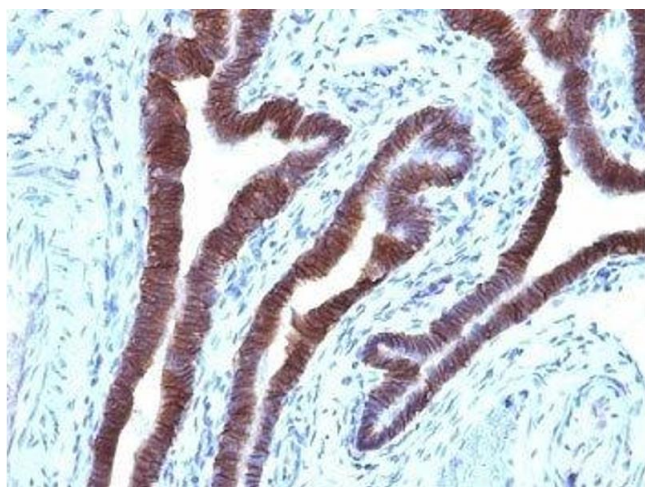
Handling

Concentration:	0.2 mg/mL
Buffer:	0.2 mg/mL in 1X PBS with 0.1 mg/mL BSA (US sourced) and 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store the EpCAM antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded rat lung stained with EpCAM antibody (EGP40/1110).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human ovarian carcinoma stained with EpCAM antibody (EGP40/1110).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded rat Oviduct stained with EpCAM antibody (EGP40/1110).

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN3024723.