



EpCAM Rabbit mAb

Catalog No	YP-rAb-17976
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
Gene Name	EPCAM GA733-2 M1S2 M4S1 MIC18 TACSTD1 TROP1
Protein Name	Epithelial cell adhesion molecule
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:1000; WB 1:1000-1:5000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200, Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	CD326/EPCAM;Epithelial cell adhesion molecule;EPCAM ; GA733-2 ; M1S2 ; M4S1 ; MIC18 ; TACSTD1 ; TROP1 ; Epithelial cell adhesion molecule ; Ep-CAM ; Adenocarcinoma-associated antigen ; Cell surface glycoprotein Trop-1 ; Epithelial cell surface antigen ; Epithelial glycoprotein ; EGP ; Epithelial gly;EPCAM GA733-2 M1S2 M4S1 MIC18 TACSTD1 TROP1;CD326
Observed Band	40kD
Calculated Molecular Weight	35kD
Cell Pathway	Membrane
Tissue Specificity	Highly and selectively expressed by undifferentiated rather than differentiated embryonic stem cells (ESC). Levels rapidly diminish as soon as ESC's differentiate (at protein levels). Expressed in almost all epithelial cell membranes but not on mesodermal or neural cell membranes. Found on the surface of adenocarcinoma.
Function	
Background	This gene encodes a carcinoma-associated antigen and is a member of a family that includes at least two type I membrane proteins. This antigen is expressed on most normal epithelial cells and gastrointestinal carcinomas and functions as a homotypic calcium-independent cell adhesion molecule. The antigen is being



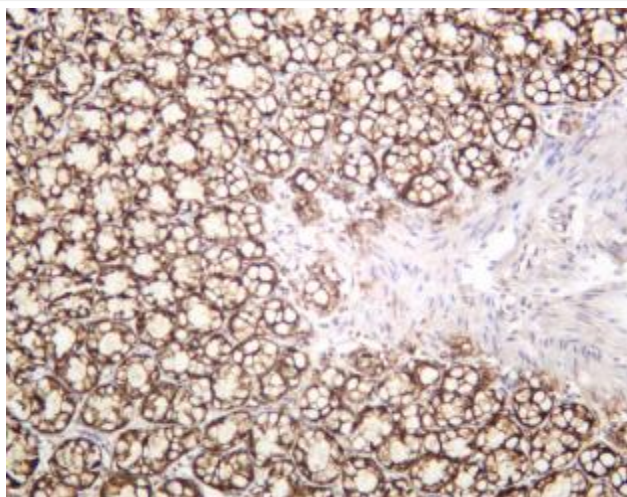
used as a target for immunotherapy treatment of human carcinomas. Mutations in this gene result in congenital tufting enteropathy. [provided by RefSeq, Dec 2008],

matters needing attention

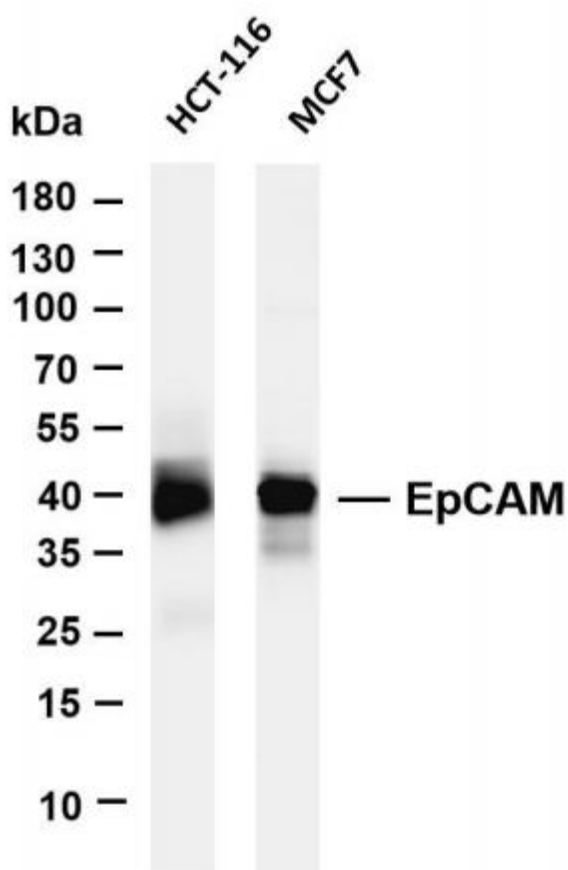
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

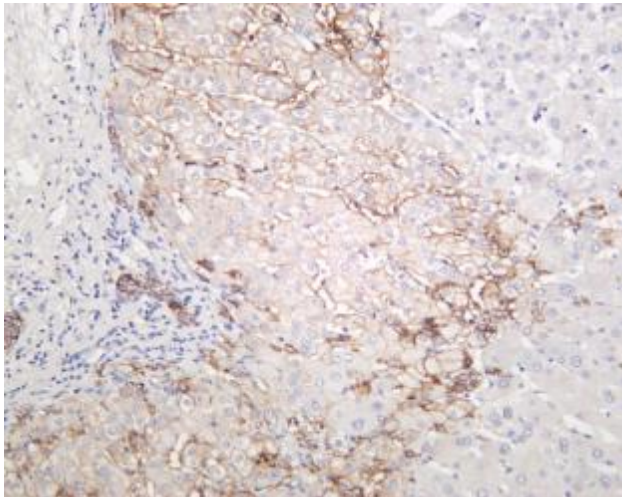


Rat colon was stained with anti-EpCAM rabbit antibody

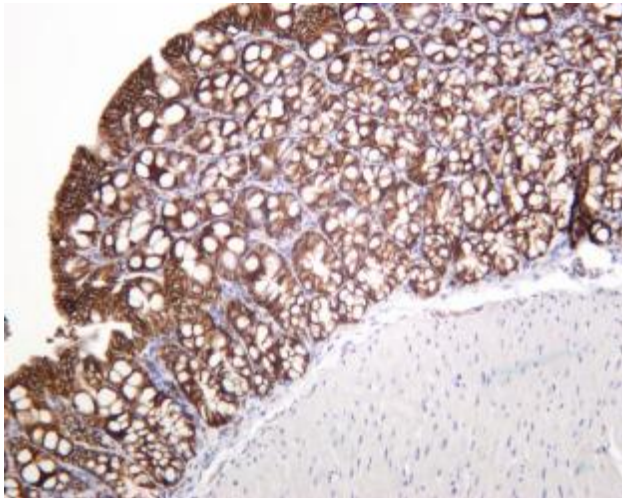


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-EpCAM antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HCT-116 Lane 2: MCF7 Predicted band size: 35kDa Observed band size: 40kDa

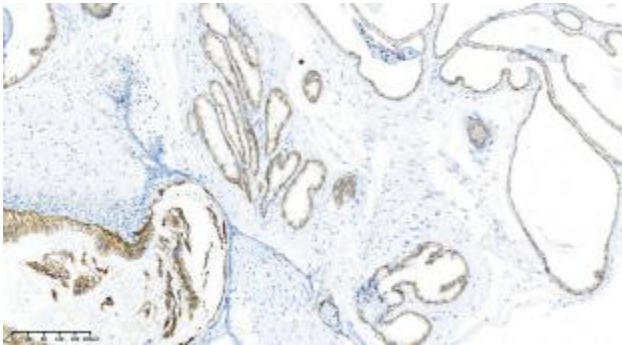




Human liver was stained with anti-EpCAM rabbit antibody



Mouse colon was stained with anti-EpCAM rabbit antibody



Rat prostate was stained with anti-EpCAM Rabbit antibody

