Immunoway
Best Tools for immunology Research

EpCAM mouse mAb

Catalog No :	YM1242
Reactivity :	Human
Applications :	WB;IP
Target :	Ep-CAM
Gene Name :	cd326
Human Gene Id :	4072
Human Swiss Prot No :	P16422
Mouse Swiss Prot No :	Q99JW5
Immunogen :	Purified recombinant EpCAM protein fragments expressed in E.coli.
Specificity :	This antibody detects endogenous levels of EpCAM and does not cross-react with related proteins.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	wb 1:1000
Purification :	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	39kD
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],

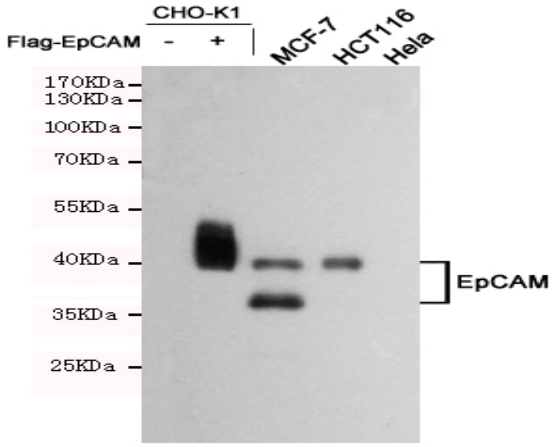
Subcellular Location :

Lateral cell membrane ; Single-pass type I membrane protein . Cell junction, tight junction . Colocalizes with CLDN7 at the lateral cell membrane and tight junction. .

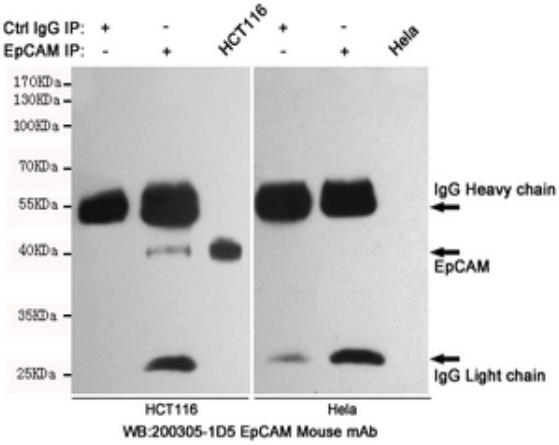
Expression :

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.

Products Images



Western blot analysis of extracts from CHO-K1,CHO-K1 transfected by Flag-EpCAM, MCF7(EpCAM positive),HCT116(EpCAM positive),and Hela(EpCAM negative) cell lysates using EpCAM mouse mAb (1:1000 diluted).Predicted band size:39KDa.Observed band size:39/35KDa.



Immunoprecipitation analysis of HCT116 and Hela cell lysates using EpCAM.