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EpCAM Antibody

Rabbit mAb
Catalog # AP90759

Product Information

Application	WB, IHC
Primary Accession	P16422
Reactivity	Human
Clonality	Monoclonal
Other Names	Epithelial cell adhesion molecule; Ep-CAM; CO17A; CD326; Cell surface glycoprotein Trop-1; EGP; Epithelial glycoprotein 314; EGP314; hEGP314; KS 1/4 antigen; KSA;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	34932

Additional Information

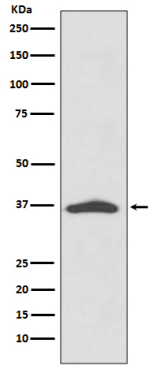
Dilution	WB 1:1000~1:2000 IHC 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human EpCAM
Description	Epithelial cell adhesion and activating molecule (EpCAM/CD326) is a transmembrane glycoprotein that mediates Ca2+ independent, homophilic adhesions on the basolateral surface of most epithelial cells. The antigen is being used as a target for immunotherapy treatment of human carcinomas.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	EPCAM
Synonyms	GA733-2, M1S2, M4S1, MIC18, TACSTD1, TRO
Function	May act as a physical homophilic interaction molecule between intestinal epithelial cells (IECs) and intraepithelial lymphocytes (IELs) at the mucosal epithelium for providing immunological barrier as a first line of defense against mucosal infection. Plays a role in embryonic stem cells proliferation and differentiation. Up-regulates the expression of FABP5, MYC and cyclins A and E.
Cellular Location	Lateral cell membrane; Single-pass type I membrane protein. Cell junction, tight junction. Note=Colocalizes with CLDN7 at the lateral cell membrane and tight junction

Tissue Location	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.

Images



Western blot analysis of EpCAM expression in A431 cell lysate.

Image not found : 202311/AP90759-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human stomach carcinoma, using EpCAM Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.