ABGENEX Pvt. Ltd.,
E-5, Infocity, KIIT Post Office,
Tel : +91-674-2720712, +91-9437550560
Email : info@abgenex.com
Bhubaneswar, Odisha - 751024, INDIA

10-7503: Monoclonal Antibody to EpCAM (CD326) Cytoplasmic Domain (Clone: ABM2C92)

Clonality :	Monoclonal
Clone Name :	ABM2C92
Application :	IHC,WB
Reactivity :	Human
Gene :	EPCAM
Gene ID :	4072
Uniprot ID :	P16422
Format :	Purified
Alternative Name :	Epcam,Tacstd1
Isotype :	Mouse IgG2b Kappa
Immunogen Information :	A partial length recombinant human EpCAM (amino acids 110-314) was used as the immunogen for this antibody.

Description

EpCAM is a Mr 40,000, type I transmembrane glycoprotein that consists of two epidermal growth factor-like extracellular domains, a cysteine-poor region, a transmembrane domain, and a short cytoplasmic tail. EpCAM is encoded by the GA733-2 gene located on the long arm of chromosome 4. EpCAM has been described by various names, including those associated with monoclonal antibodies specific for the cell surface antigen (MH99, AUA1, MOC31, 323/A3, KS1/4, GA733, and HEA125) and cDNA clones used to define the antigen KS 1/4, EGP, EGP40, and GA733-2.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein G Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western blot analysis: 4-6 µg/ml, Immunohistochemical analysis: 5 µg/ml

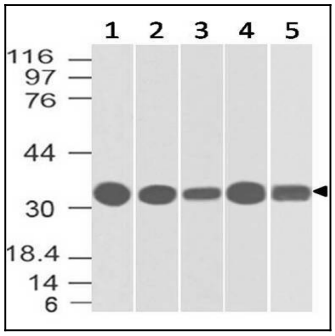

Figure-1: Western blot analysis of EpCAM. Anti- EpCAM antibody (Clone: ABM2C92) was used at 4 µg/ml on (1) h Intestine, (2) PANC-28, (3) A549, (4) h Kidney and (5) Hela lysates.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.

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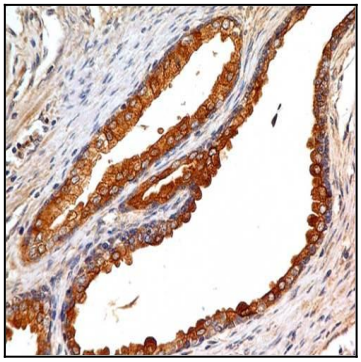

Figure-2 : Immunohistochemical analysis of EpCAM in human prostate tissue using EpCAM antibody (Clone: ABM2C92) at 5 µg/ml.