

Mouse Ep-CAM /CD326 Monoclonal Antibody | anti-TACSTD1 antibody

Ep-CAM /CD326 (Epithelial Marker) Mouse Monoclonal Antibody

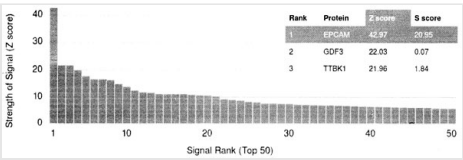
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA13831	Mouse	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Immunofluorescence, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

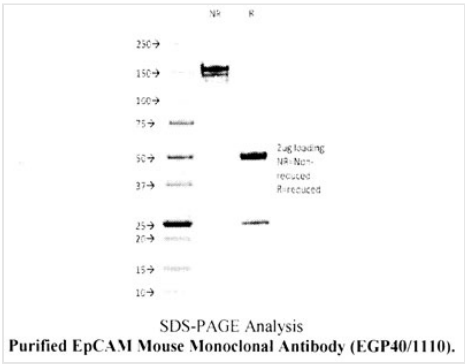
Ep-CAM /CD326; Monoclonal Antibody; Ep-CAM /CD326 (Epithelial Marker) Mouse Monoclonal Antibody; Adenocarcinoma-associated Antigen; Cell Surface Glycoprotein Trop-1; EGP2; EGP314; EGP40; Epithelial Cell Adhesion Molecule; Epithelial Glycoprotein 314; ESA; KSA; TACD1; TROP1; Tumor-associated Calcium Signal Transducer 1 (TACSTD1); ECS-1; Epidermal Surface Antigen 1; ESA1; FLOT2; Flotillin-2; Membrane Component; Chromosome 17; Surface Marker-1 (M17S1); REG-1; Reggie-1; Reggie-2; anti-TACSTD1 antibody

PRODUCT SPECIFICATIONS

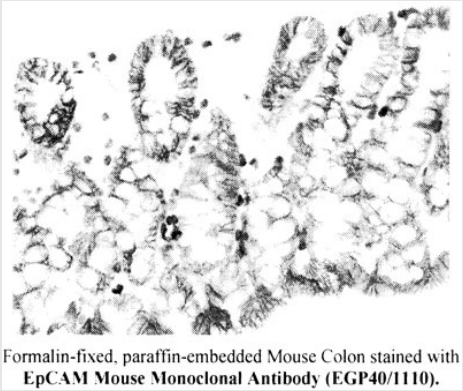
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	EGP40/1110
Specificity	EGP40 is a 40-43kDa transmembrane epithelial glycoprotein, also identified as epithelial specific antigen (ESA), or epithelial cellular adhesion molecule (Ep-CAM). It is expressed on 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.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	314
Applicable Applications for anti-TACSTD1 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Flow Cytometry (0.5-1ug/million cells in 0.1ml) Immunofluorescence (1-2ug/ml) Western Blot (0.5-1ug/ml) Immunohistochemistry (Formalin-fixed) (0.5-1ug/ml for 30 min at RT) (Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes) Optimal dilution for a specific application should be determined.
Cellular Localization	Cell Surface
Immunogen	A recombinant human EpCAM fragment from the cytoplasmic domain (around aa 280-350) (exact sequence is proprietary)
Hu-Chromosome Location	2p21
Positive Control	HT29 cells or Ovarian carcinoma
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



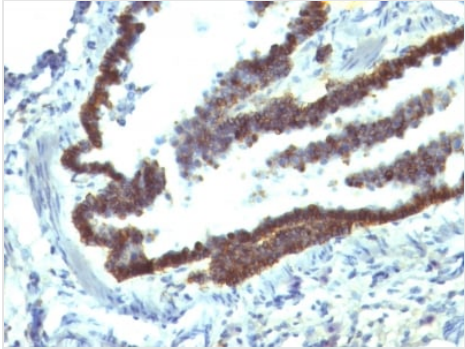
Application Data



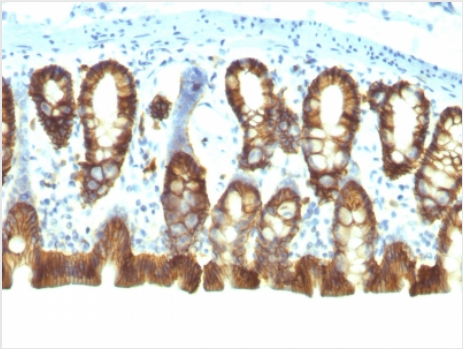
SDS-PAGE



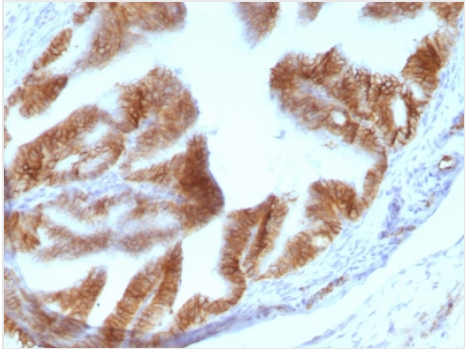
IHC (Immunohistochemistry)



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Rat Lung stained with Ep-CAM Monoclonal Antibody (EGP40/1110).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Rat Colon stained with Ep-CAM Monoclonal Antibody (EGP40/1110).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Rat Oviduct stained with Ep-CAM Monoclonal Antibody (EGP40/1110).

ADDITIONAL INFORMATION

References	Tsubura A et. al. J Cut Pathol, 1992, 19:73-9. Litvinov SV et. al. J Cell Biol, 1994, 125:437-46.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	218505670
NCBI GeneID	4072
NCBI Accession #	NP_002345.2
NCBI GenBank Nucleotide #	NM_002354.2
UniProt Accession #	P16422; P18180; Q6FG26; Q6FG49; Q96C47; Q9UCD0

Molecular Weight	40-43kDa
NCBI Official Full Name	epithelial cell adhesion molecule
NCBI Official Synonym Full Names	epithelial cell adhesion molecule
NCBI Official Symbol	EPCAM
NCBI Official Synonym Symbols	ESA; KSA; M4S1; MK-1; DIAR5; EGP-2; EGP40; KS1/4; MIC18; TROP1; EGP314; HNPCC8; TACSTD1
NCBI Protein Information	epithelial cell adhesion molecule
UniProt Protein Name	Epithelial cell adhesion molecule
UniProt Gene Name	EPCAM
UniProt Synonym Gene Names	GA733-2; M1S2; M4S1; MIC18; TACSTD1; TROP1; Ep-CAM; EGP; EGP314; hEGP314
UniProt Entry Name	EPCAM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ep-cam-cd326-antibody-clone-egp40-1110-flow-cytometry-immunofluorescence-western-blot-immunohistochemistry-elisa/13831>