

Rabbit anti-Human Ep-CAM/CD326 Antibody | anti-Ep-CAM/CD326 antibody

Ep-CAM/CD326 (Extracellular Domain) (Epithelial Marker)

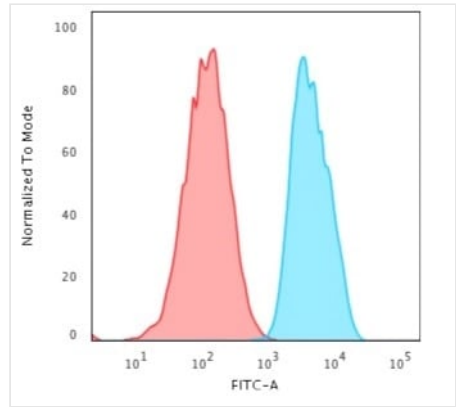
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215076	Rabbit	Human	Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

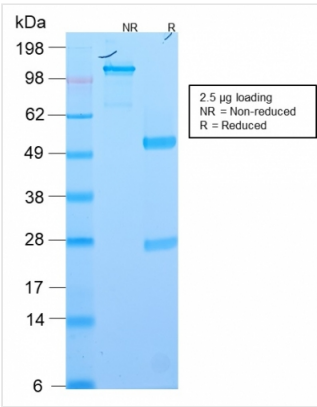
Ep-CAM/CD326; Ep-CAM/CD326 (Extracellular Domain) (Epithelial Marker); Adenocarcinoma-associated Antigen; Cell Surface Glycoprotein Trop-1; EGP2; EGP314; EGP40; Epithelial Cell Adhesion Molecule; Epithelial Glycoprotein 314; ESA; KSA; TACD1; TROP1; Tumor-associated Calcium Signal Transducer 1 (TACSTD1); anti-Ep-CAM/CD326 antibody

PRODUCT SPECIFICATIONS

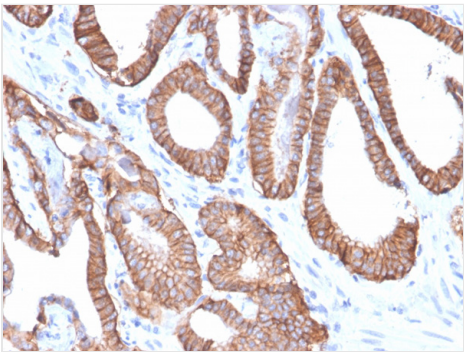
Host	Rabbit
Reactivity	Human
Isotype	IgG
Clone Number	EGP40/2571R
Specificity	Epitope of this MAbs is mapped between aa 202-212 of EGP40, which is a 40-43kDa transmembrane epithelial glycoprotein, also identified as epithelial specific antigen (ESA), or epithelial cellular adhesion molecule (Ep-CAM). It is expressed on baso-lateral cell surface in most simple epithelia and a vast majority of carcinomas. Antibody to Ep-CAM 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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified by Protein A. 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-Ep-CAM/CD326 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Positive Control	MCF-7 or HT29 cells. Breast tumor.
Immunogen	Recombinant human EpCAM fragment from extracellular domain (around aa100-224) (exact sequence is proprietary)
Cellular Localization	Cell Surface
Hu-chromosome Location	2q21
Antibody Type	Recombinant Rabbit Monoclonal Antibody
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.



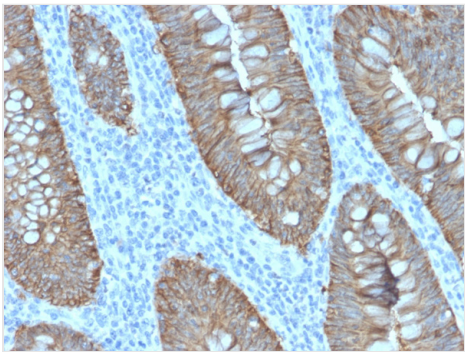
FCM/FACS (Flow Cytometry)
Flow Cytometric Analysis of MCF-7 cells using EpCAM Rabbit Recombinant Monoclonal Antibody (EGP40/2571R) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



SDS-PAGE
SDS-PAGE Analysis Purified EpCAM Rabbit Recombinant Monoclonal Antibody (EGP40/2571R). Confirmation of Integrity and Purity of Antibody.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with EpCAM Rabbit Recombinant Monoclonal Antibody (EGP40/2571R).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with EpCAM Rabbit Recombinant Monoclonal Antibody (EGP40/2571R).

ADDITIONAL INFORMATION

References	Bjork, P., et al. 1993. J. Biol. Chem. 268: 24232-24241.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	218505670
NCBI GeneID	4072
NCBI Accession #	NP_002345.2
NCBI GenBank Nucleotide #	NP_002345.2
UniProt Accession #	P16422
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/rabbit-human-antibody/ep-cam-cd326/215076>