

Mouse anti-Human, Mouse EP-CAM Monoclonal Antibody | anti-EP-CAM antibody

EP-CAM Antibody

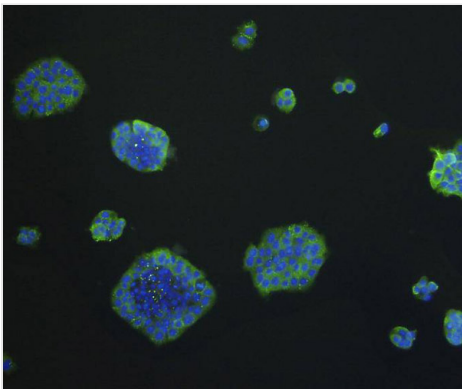
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29891	Mouse	Human, Mouse	Western Blot, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

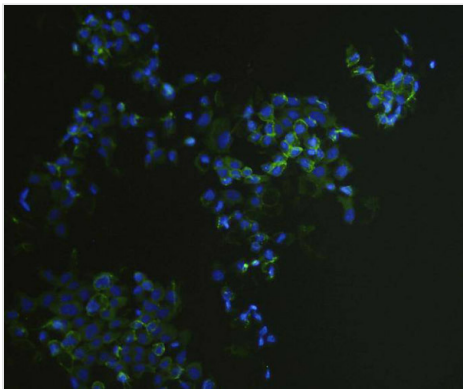
EP-CAM; Monoclonal Antibody; EP-CAM Antibody; 17 1A antibody; 323/A3 antibody; Adenocarcinoma associated antigen antibody; Adenocarcinoma-associated antigen antibody; Antigen identified by monoclonal antibody; AUA1 antibody; CD326 antibody; CD326 antigen antibody; Cell surface glycoprotein Trop 1 antibody; Cell surface glycoprotein Trop 2 antibody; Cell surface glycoprotein Trop-1 antibody; CO 17A antibody; CO17 1A antibody; CO17A antibody; DIAR5 antibody; EGP 2 antibody; EGP antibody; EGP2 antibody; EGP314 antibody; EGP40 antibody; Ep CAM antibody; Ep-CAM antibody; EPCAM antibody; EPCAM_HUMAN antibody; EpCAM1 antibody; Epithelial cell adhesion molecule antibody; Epithelial Cell Adhesion Molecule Intracellular Domain (EpCAM-ICD) antibody; Epithelial cell surface antigen antibody; Epithelial cellular adhesion molecule antibody; Epithelial glycoprotein 1 antibody; Epithelial glycoprotein 314 antibody; Epithelial glycoprotein antibody; ESA antibody; GA733 1 antibody; GA733 2 antibody; GA733-2 antibody; gastrointestinal tumor-associated antigen 2; 35-KD glycoprotein antibody; gp4 antibody; hEGP 2 antibody; hEGP314 antibody; HNPCC8 antibody; Human epithelial glycoprotein 2 antibody; KS 1/4 antigen antibody; KS1/4 antibody; KSA antibody; Ly74 antibody; Lymphocyte antigen 74 antibody; M1S 1 antibody; M1S2 antibody; M4S1 antibody; Major gastrointestinal tumor associated protein GA733 2 antibody; Major gastrointestinal tumor-associated protein GA733-2 antibody; mEGP314 antibody; Membrane component chromosome 4 surface marker (35kD glycoprotein) antibody; Membrane component; chromosome 4; surface marker 1 antibody; surface marker antibody; MIC18 antibody; MK 1 antibody; Protein 289A antibody; TACD1 antibody; TACSTD1 antibody; TROP1 antibody; Tumor associated calcium signal transducer 1 antibody; Tumor associated calcium signal transducer 2 precursor antibody; Tumor-associated calcium signal transducer 1 antibody; anti-EP-CAM antibody

PRODUCT SPECIFICATIONS

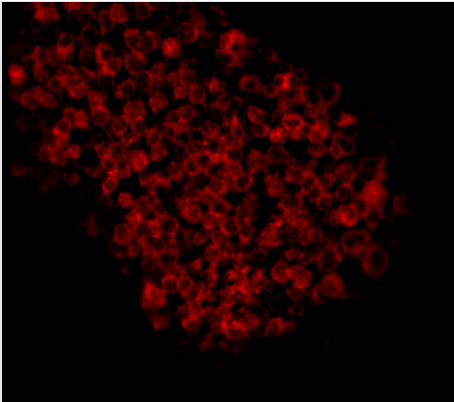
Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Clone Number	3-E1-E2
Purity/Purification	ProL affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-EP-CAM antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:1000-1:2000 IHC: 1:200-1:500 ICC: 1:100-1:200 FC/FACS: 1:100-1:200
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.



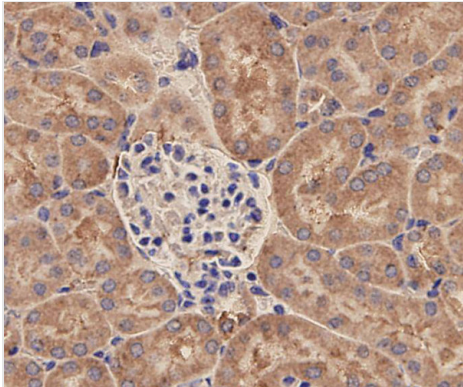
ICC (Immunocytochemistry)
ICC staining EpCAM in SW1990 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



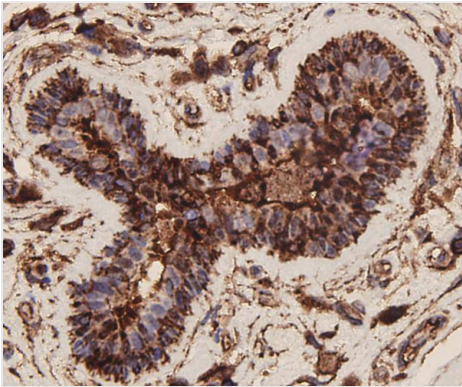
ICC (Immunocytochemistry)
ICC staining EpCAM in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



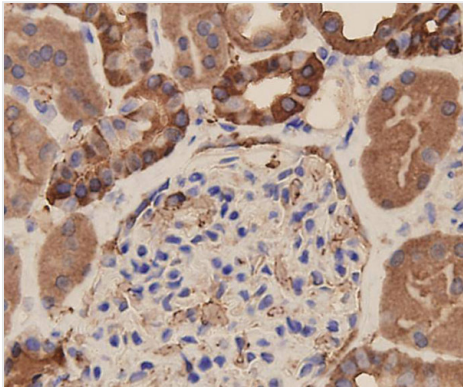
ICC (Immunocytochemistry)
ICC staining EpCAM in D3 cells (red). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using EpCAM antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using EpCAM antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human kidney tissue using EpCAM antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-EP-CAM antibody	Epithelial cell adhesion molecule (EpCAM) is a transmembrane glycoprotein mediating Ca2+-independent homotypic cell-cell adhesion in epithelia. EpCAM is also involved in cell signaling, migration, proliferation, and differentiation. Additionally, EpCAM has oncogenic potential via its capacity to upregulate c-myc, e-fabp, and cyclins A & E. Since EpCAM is expressed exclusively in epithelia and epithelial-derived neoplasms, EpCAM can be used as identification marker for various cancers. It appears to play a role in tumorigenesis and metastasis of carcinomas, so it can also act as a potential prognostic marker and as a potential target for immunotherapeutic strategies. Mutations in EpCAM have also been associated with congenital tufting enteropathy which causes intractable diarrhea in newborn children. Specificity/Source: This antibody is produced by immunizing mice with recombinant protein corresponding to a region of EpCAM.
Product Categories/Family for anti-EP-CAM antibody	Total protein Ab

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	34,932 Da
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; epithelial glycoprotein 314; human epithelial glycoprotein-2; cell surface glycoprotein Trop-1; adenocarcinoma-associated antigen; tumor-associated calcium signal transducer 1; major gastrointestinal tumor-associated pro
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.