

Rabbit anti-Mouse EpCAM Monoclonal Antibody | anti-EpCAM antibody

Recombinant Anti-EpCAM Antibody, Rabbit Monoclonal

CATALOG # AAA257192	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

EpCAM; Monoclonal Antibody; Recombinant Anti-EpCAM Antibody; Rabbit Monoclonal; EpCAM/TROP-1/TACSTD1 Antibody; Rabbit MAb; epithelial cell adhesion molecule; Anti-CD326 Antibody; Anti-EGP Antibody; Anti-EGP-2 Antibody; Anti-Egp314 Antibody; Anti-Ep-CAM Antibody; Anti-EpCAM1 Antibody; Anti-GA733-2 Antibody; Anti-gp40 Antibody; Anti-Ly74 Antibody; Anti-Tacsd1 Antibody; Anti-Tacstd1 Antibody; Anti-TROP1 Antibody; anti-EpCAM antibody

PRODUCT SPECIFICATIONS

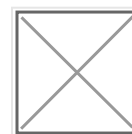
Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	065
Specificity	Mouse EpCAM/TROP-1/TACSTD1. No cross-reactivity in ELISA with Human EPCAM Has cross-reactivity in ELISA with Rat EPCAM
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-EpCAM antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Mouse EpCAM/TROP-1/TACSTD1 protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse EpCAM/TROP-1/TACSTD1 (rM EpCAM/TROP-1/TACSTD1).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of mouse EpCAM in mouse intestine with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of mouse EpCAM in mouse uterus with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-EpCAM antibody	Epithelial Cell Adhesion Molecule (EpCAM), also known as GA733-2 antigen, is a type transmembrane glycoprotein composed of an extracellular domain with two EGF-Like repeats and a cystenin-rich region, a transmembrane domain and a cytoplasmic domain. It modulates cell adhesion and proliferation. Its overexpression has been detected in many epithelial tumours and has been associated with high stage, high grade and a worse survival in some tumour types. EpCAM has been shown to function as a calcium-independent homophilic cell adhesion molecule that does not exhibit any obvious relationship to the four known cell adhesion molecule superfamilies. However, recent insights have revealed that EpCAM participates in not only cell adhesion, but also in proliferation, migration and differentiation of cells. In addition, recent study revealed that EpCAM is the Wnt-beta-catenin signaling target gene and may be used to facilitate prognosis. It has oncogenic potential and is activated by release of its intracellular domain, which can signal into the cell nucleus by engagement of elements of the wnt pathway.
References	Brunner A, et al. (2008) EpCAM is predominantly expressed in high grade and advanced stage urothelial carcinoma of the bladder. J Clin Pathol. 61(3):307-10. Trzpis M, et al. (2008) EpCAM in morphogenesis. Front Biosci. 13: 5050-5. Munz M, et al. (2009) The emerging role of EpCAM in cancer and stem cell signaling. Cancer Res. 69(14): 5627-9. Carpenter G, et al. (2009) EpCAM: another surface-to-nucleus missile. Cancer Cell. 15(3): 165-6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	112293275
NCBI GeneID	17075
NCBI Accession #	NP_032558.2
NCBI GenBank Nucleotide #	NM_008532.2
UniProt Accession #	Q99JW5; Q61512
Molecular Weight	35,019 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	EGP; Ly74; gp40; CD326; EGP-2; TROP1; Egp314; Ep-CAM; EpCAM1; Tacstd1; GA733-2; Tacstd1
NCBI Protein Information	epithelial cell adhesion molecule; mEGP314; protein 289A; Trop-1 protein; lymphocyte antigen 74; epithelial glycoprotein 314; panepithelial glycoprotein 314; tumor-associated calcium signal transducer 1
UniProt Protein Name	Epithelial cell adhesion molecule
UniProt Gene Name	Epcam
UniProt Synonym Gene Names	Tacstd1; Ep-CAM; EGP314; mEGP314
UniProt Entry Name	EPCAM_MOUSE

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/epcam-antibody-clone-065-immunohistochemistry-elisa/257192>