

Rabbit anti-Human EPCAM Polyclonal Antibody | anti-EPCAM antibody

Anti-EPCAM Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46833	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

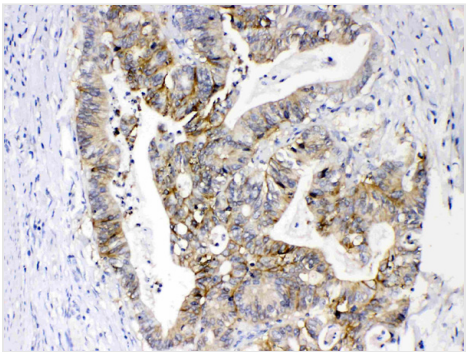
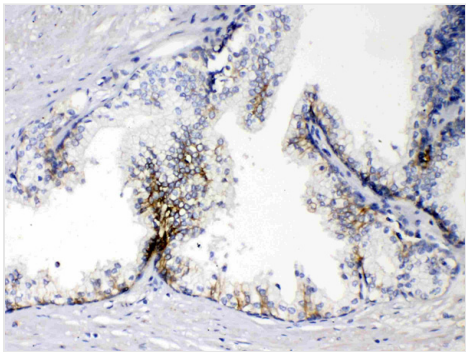
PRODUCT SYNONYMS

EPCAM; Polyclonal Antibody; Anti-EPCAM Antibody; AUA1; CD326; CD326 antigen; CO 17A; CO17 1A; CO17A; DIAR5; EGP 2; EGP; EGP2; EGP314; EGP40; Ep CAM; EpCAM ; Ep-CAM; Epithelial glycoprotein; ESA; GA733 1; GA733 2; GA733-2; KS1/4; M1S 1; M1S2; M4S1; MIC18; MK 1; TACD1; TACSTD1; TROP1; P16422; Epithelial cell adhesion molecule; anti-EPCAM antibody

PRODUCT SPECIFICATIONS

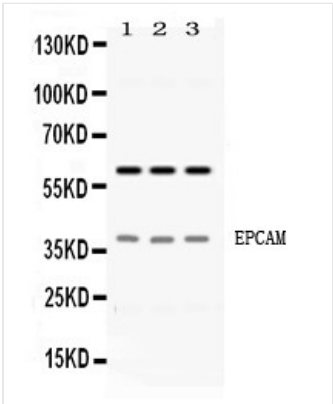
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	314
Applicable Applications for anti-EPCAM antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human EPCAM (147-189aa ELKHKAREKPYDSKSLRTALQKEITTRYQLDPKFITSILYENN), different from the related mouse sequence by fifteen amino acids, and from the related rat sequence by sixteen amino acids.
Relevant Detection Systems	The lab provides a series of assays reacted with primary antibodies. Antibody can be supported by chemiluminescence kit in WB, supported by in IHC(P), IHC(F) and ICC.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemisry)
EPCAM was detected in paraffin-embedded sections of human prostatic cancer tissues using rabbit anti- EPCAM Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.

IHC (Immunohiostchemistry)
EPCAM was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti- EPCAM Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)
Western blot analysis of EPCAM expression in HELA whole cell lysates (lane 1), A549 whole cell lysates (lane 2) and PANC-1 whole cell lysates (lane 3). EPCAM at 40KD was detected using rabbit anti- EPCAM Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-EPCAM antibody	Rabbit IgG polyclonal antibody for Epithelial cell adhesion molecule(EPCAM) detection. Background: Epithelial cell adhesion molecule (EpCAM) is a transmembrane glycoprotein mediating Ca2+-independent homotypic cell-cell adhesion in epithelia. This gene encodes a carcinoma-associated antigen and is a member of a family that includes at least two type I membrane proteins. This antigen is expressed on most normal epithelial cells and gastrointestinal carcinomas and functions as a homotypic calcium-independent cell adhesion molecule. The antigen is being used as a target for immunotherapy treatment of human carcinomas. Mutations in this gene result in congenital tufting enteropathy.
References	1. Litvinov, Sergey; et al. (1994). "Ep-CAM: a human epithelial antigen is a homophilic cell-cell adhesion molecule". The Journal of Cell Biology 125 (2): 437-46. 2. Maetzel, Dorothea; et al. (2009). "Nuclear signalling by tumour-associated antigen EpCAM". Nature Cell Biology 11 (2): 162-71.

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
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

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://www.aaabiotech.com/polyclonal/epcam-antibody-immunohistochemistry-western-blot-elisa/46833>