

Rabbit EPCAM Polyclonal Antibody | anti-EPCAM antibody

EPCAM Antibody (C-term)

CATALOG # AAA288641	HOST Rabbit	REACTIVITY Reactivity: Human Predicted: Bovine, Pig	APPLICATIONS Western Blot
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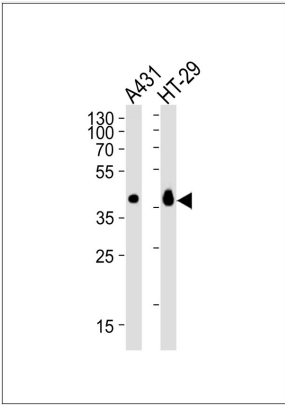
PRODUCT SYNONYMS

EPCAM; Polyclonal Antibody; EPCAM Antibody (C-term); Epithelial cell adhesion molecule; Ep-CAM; Adenocarcinoma-associated antigen; Cell surface glycoprotein Trop-1; Epithelial cell surface antigen; Epithelial glycoprotein; EGP; Epithelial glycoprotein 314; EGP314; hEGP314; KS 1/4 antigen; KSA; Major gastrointestinal tumor-associated protein GA733-2; Tumor-associated calcium signal transducer 1; CD326; GA733-2; M1S2; M4S1; MIC18; TACSTD1; TROP1; anti-EPCAM antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Reactivity: Human Predicted: Bovine, Pig
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This EPCAM antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 299-334 amino acids from the C-terminal region of human EPCAM.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity
Applicable Applications for anti-EPCAM antibody	WB (Western Blot)
Cellular Location	Lateral cell membrane; Single-pass type I membrane protein. Cell junction, tight junction. Note=Colocalizes with CLDN7 at the lateral cell membrane and tight junction
Tissue Location	Highly and selectively expressed by undifferentiated rather than differentiated embryonic stem cells (ESC) Levels rapidly diminish as soon as ESC's differentiate (at protein levels). Expressed in almost all epithelial cell membranes but not on mesodermal or neural cell membranes. Found on the surface of adenocarcinoma.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of lysates from A431, HT-29 cell line (from left to right), using EPCAM Antibody (C-term) (AAA288641) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-EPCAM antibody	May act as a physical homophilic interaction molecule between intestinal epithelial cells (IECs) and intraepithelial lymphocytes (IELs) at the mucosal epithelium for providing immunological barrier as a first line of defense against mucosal infection. Plays a role in embryonic stem cells proliferation and differentiation. Up-regulates the expression of FABP5, MYC and cyclins A and E.
Product Categories/Family for anti-EPCAM antibody	Crown Antibodies; Cancer; Cell Biology; Signal Transduction
References	Strnad J.,et al.Cancer Res. 49:314-317(1989). Perez M.S.,et al.J. Immunol. 142:3662-3667(1989). Simon B.,et al.Proc. Natl. Acad. Sci. U.S.A. 87:2755-2759(1990). Szala S.,et al.Proc. Natl. Acad. Sci. U.S.A. 87:3542-3546(1990). Linnenbach A.J.,et al.Mol. Cell. Biol. 13:1507-1515(1993).

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	34932
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://www.aaabiotech.com/polyclonal/epcam-antibody-western-blot-elisa/288641>