

Rabbit anti-Human EpCAM/TROP1 Polyclonal Antibody | anti-EpCAM antibody

Anti-EpCAM/TROP1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA259414	Rabbit	Human	Immunoprecipitation, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

EpCAM/TROP1; Polyclonal Antibody; Anti-EpCAM/TROP1 Antibody; Rabbit Polyclonal; EpCAM/TROP1 Antibody; Rabbit PAb; Antigen Affinity Purified; epithelial cell adhesion molecule; Anti-17-1A Antibody; Anti-323/A3 Antibody; Anti-Ber-Ep4 Antibody; Anti-BerEp4 Antibody; Anti-CD326 Antibody; Anti-CO-17A Antibody; Anti-DIAR5 Antibody; Anti-EGP-2 Antibody; Anti-EGP314 Antibody; Anti-EGP34 Antibody; Anti-EGP40 Antibody; Anti-Ep-CAM Antibody; Anti-EPCAM Antibody; Anti-ESA Antibody; Anti-GA733-2 Antibody; Anti-HEA125 Antibody; Anti-HNPCC8 Antibody; Anti-KS1/4 Antibody; Anti-KSA Antibody; Anti-Ly74 Antibody; Anti-LYNCH8 Antibody; Anti-M1S2 Antibody; Anti-M4S1 Antibody; Anti-MH99 Antibody; Anti-MIC18 Antibody; Anti-MK-1 Antibody; Anti-MOC-31 Antibody; Anti-MOC31 Antibody; Anti-TACST-1 Antibody; Anti-TACSTD1 Antibody; Anti-TROP1 Antibody; anti-EpCAM antibody

PRODUCT SPECIFICATIONS

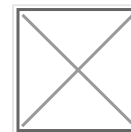
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human EpCAM/TROP1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-EpCAM antibody	IP (Immunoprecipitation), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant Human EpCAM/TROP1 Protein (NP_002345.1; Met1-Lys265). EpCAM/TROP1 specific IgG was purified by Human EpCAM/TROP1 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-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. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

IMAGES



IP (Immunoprecipitation)

EpCAM was immunoprecipitated using: Lane A:0.5 mg HCT116 Whole Cell Lysate Lane B:0.5 mg A431 Whole Cell Lysate 4 uL anti-EpCAM rabbit polyclonal antibody and 60ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-EpCAM rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 35 kDa Observed band size :35 kDa



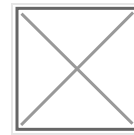
IF (Immunofluorescence)

Immunofluorescence staining of EpCAM-His in MCF7 cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-Human EpCAM-His polyclonal antibody (dilution ratio 1:100) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cell membrane.



IHC (Immunohistochemistry)

Immunochemical staining of human EpCAM in human carcinoma of sigmoid with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-EpCAM rabbit polyclonal antibody at 1:500 dilution Lane A: HCT116 Whole Cell Lysate Lane B: A431 Whole Cell Lysate Lysates/proteins at 30ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 35 kDa Observed band size: 37 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-EpCAM antibody	Epithelial Cell Adhesion Molecule (EpCAM), also known as GA733-2 antigen, is a type I transmembrane glycoprotein composed of an extracellular domain with two EGF-Like repeats and a cysteine-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	Brunne, A. e. al. (2008). EpCA. i. predominantl. expresse. i. hig. grad. an. advance. stag. urothelia. carcinom. o. th. bladder. . Cli. Pathol. 61(3):307-10. Trzpi. M. e. al. (2008). EpCA. i. morphogenesis. Fron. Biosci. 13. 5050-5. Mun. M. e. al. (2009). Th. emergin. rol. o. EpCA. i. cance. an. ste. cel. signaling. Cance. Res. 69(14). 5627-9. Carpente. G. e. al. (2009). EpCAM. anothe. surface-to-nucleu. missile. Cance. Cell. 15(3). 165-6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505059
NCBI GeneID	4072
NCBI Accession #	NP_002345.1
NCBI GenBank Nucleotide #	NM_002354.1
Molecular Weight	28.2kDa (248aa) 28-40kDa (SDS-PAGE under reducing conditions)
NCBI Official Full Name	tumor-associated calcium signal transducer 1
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

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/polyclonal/epcam-trop1-antibody-immunoprecipitation-immunocytochemistry-immunohistochemistry-western-blot-elisa/259414>