

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

Anti-EpCAM/TROP1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA258828	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

EpCAM/TROP1; Polyclonal Antibody; Anti-EpCAM/TROP1 Antibody; Rabbit Polyclonal; epithelial cell adhesion molecule; Anti-DIAR5 Antibody; Anti-EGP-2 Antibody; Anti-EGP314 Antibody; Anti-EGP40 Antibody; Anti-ESA Antibody; Anti-HNPCC8 Antibody; Anti-KS1/4 Antibody; Anti-KSA Antibody; Anti-M4S1 Antibody; Anti-MIC18 Antibody; Anti-MK-1 Antibody; Anti-TACSTD1 Antibody; Anti-TROP-1 Antibody; Anti-TROP1 Antibody; anti-EpCAM/TROP1 antibody

PRODUCT SPECIFICATIONS

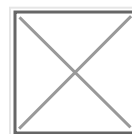
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human EpCAM/TROP1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-EpCAM/TROP1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human EpCAM Protein
Preparation	Produced in rabbits immunized with purified, recombinant Human EpCAM (rh EpCAM). EpCAM specific IgG was purified by Human EpCAM affinity chromatography.
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. Protected from prolonged exposure to light. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

EpCAM was immunoprecipitated using: Lane A: 0.5 mg HCT116 Whole Cell Lysate; Lane B: 0.5 mg A431 Whole Cell Lysate; Lane C: 0.5 mg HT29 Whole Cell Lysate; Lane D: 0.5 mg HepG2 Whole Cell Lysate. 4 uL anti-EpCAM rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-EpCAM rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 35 kDa. Observed band size: 35 kDa.



IHC (Immunohistochemistry)

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



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: HT-29 Whole Cell Lysate. Lysates/proteins at 30 ug 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: 39 kDa. Observed band size: 35-45 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-EpCAM/TROP1 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

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.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/epcam-trop1-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-immunoprecipitation-western-blot-elisa/258828>