

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

EpCAM

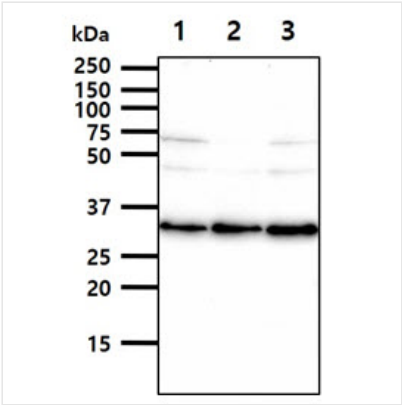
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48280	Mouse	Human	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

EpCAM; Monoclonal Antibody; anti-EpCAM antibody

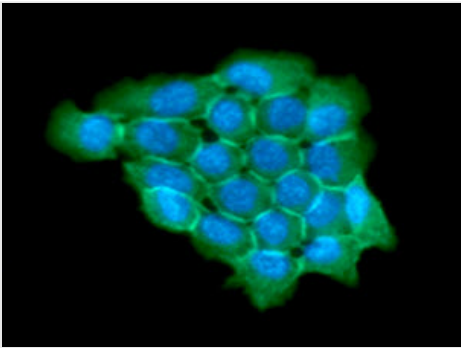
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b kappa
Clone Number	AT36F10
Purity/Purification	Protein-A Affinity Chromatography
Form/Format	Liquid; In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	314
Applicable Applications for anti-EpCAM antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human EPCAM (24-265aa) purified from E Coli.
Conjugation	Unconjugated
Preparation and Storage	Can be stored at 2 degree C to 8 degree C for 1 week. For long term storage, aliquot and store at -20 degree C to -80 degree C. Avoid repeated freezing and thawing cycles.



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human EpCAM antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: MCF7 cell lysate Lane 2.: PC3 cell lysate Lane 3.: HeLa cell lysate



ICC (Immunocytochemistry)

ICC/IF analysis of EpCAM in A431 cells. The cell was stained (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-EpCAM antibody	Epithelial cell adhesion molecule (EPCAM) is a transmembrane glycoprotein mediating Ca2+-independent homotypic cell-cell adhesion in epithelia. EPCAM is also involved in cell signaling, migration, proliferation, and differentiation. Additionally, EPCAM has oncogenic potential via its capacity to upregulate c-myc, e-fabp, and cyclins A & E. Since EPCAM is expressed exclusively in epithelia and epithelial-derived neoplasms, EPCAM can be used as marker for various cancers. It appears to play a role in tumorigenesis and metastasis of carcinomas, so it can also act as a potential prognostic marker and as a potential target for immunotherapeutic strategies.
Product Categories/Family for anti-EpCAM antibody	Tags & Cell Markers
References	Litvinov. Sergey., et al. (1994) The Journal of Cell Biology 125(2): 437-46. Maetzel D., et al. (2009) Nat Cell Biol. 11(2): 162-71. Osta WA., et al. (2004) Cancer Res. 64(16): 5818-24. Munz M., et al. (2004) Oncogene 23(34): 5748-58. Armstrong A., et al. (2003) Cancer Biol Ther, 2(4): 320-6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	218505670
NCBI GeneID	4072
NCBI Accession #	NP_002345
NCBI GenBank Nucleotide #	NP_002345.2
UniProt Accession #	P16422
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://stage.aaabiotech.com/monoclonal/epcam-antibody-clone-at36f10-immunofluorescence-immunocytochemistry-western-blot-elisa/48280>