

## Rabbit anti-Human, Rat EPCAM Polyclonal Antibody | anti-EPCAM antibody

EPCAM Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                  |
|-----------|--------|------------|---------------------------------------------------------------|
| AAA234432 | Rabbit | Human, Rat | Immunofluorescence, Immunohistochemistry, Western Blot, ELISA |

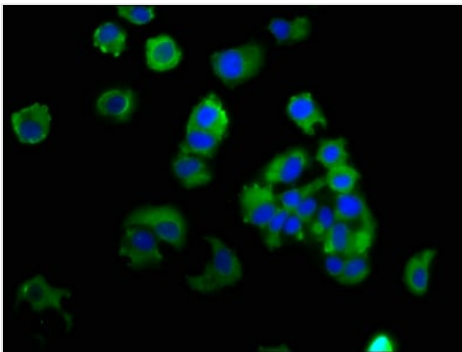
### PRODUCT SYNONYMS

EPCAM; Polyclonal Antibody; EPCAM Antibody; 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

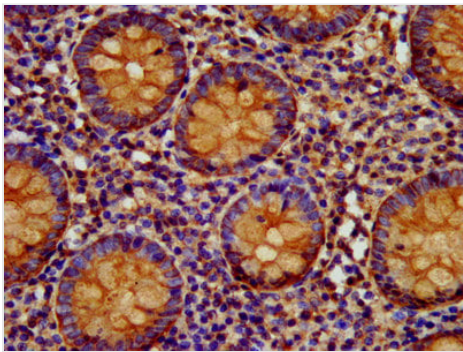
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                  |
|-------------------------------------------------|----------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                           |
| Reactivity                                      | Human, Rat                                                                       |
| Clonality                                       | Polyclonal                                                                       |
| Isotype                                         | IgG                                                                              |
| Purity/Purification                             | >95%, Protein G purified                                                         |
| Form/Format                                     | Liquid                                                                           |
| Sequence Length                                 | 314                                                                              |
| Applicable Applications for anti-EPCAM antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA    |
| Immunogen                                       | Recombinant Human Epithelial cell adhesion molecule protein (24-265AA)           |
| Conjugation                                     | Non-conjugated                                                                   |
| Buffer                                          | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH 7.4 |
| Preparation and Storage                         | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.      |

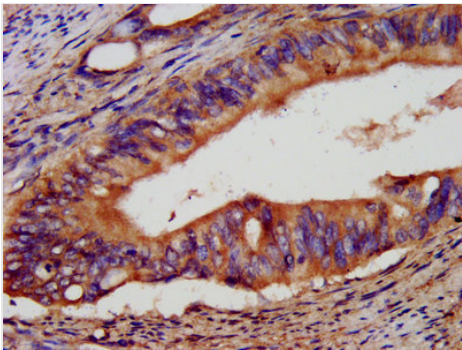
IMAGES



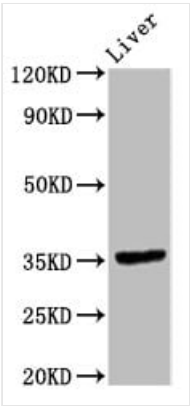
**IF (Immunofluorescence)**  
Immunofluorescence staining of MCF-7 cells with AAA234432 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



**IHC (Immunohistochemistry)**  
IHC image of AAA234432 diluted at 1:400 and staining in paraffin-embedded human appendix tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



**IHC (Immunohistochemistry)**  
IHC image of AAA234432 diluted at 1:400 and staining in paraffin-embedded human colon cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



**WB (Western Blot)**  
Western Blot Positive WB detected in: Rat liver tissue All lanes: EPCAM antibody at 9.6ug/ml Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 35 KDa Observed band size: 35 KDa

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   | Tags & Cell Markers                                                                                                                                                                                                                                                                                                                                                                                |

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          | 34,932 Da                                      |

|                                  |                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------|
| 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                | <b>EPCAM</b>                                                                            |
| 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/polyclonal/epcam-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/234432>