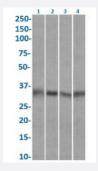


RecomAb™

EPCAM recombinant monoclonal antibody, clone KS1/4

Catalog # RAB03432 Size 200 ug

Applications

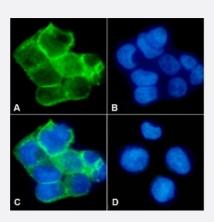


Western Blot

Western blot analysis of Lane 1: A431, Lane 2: Caco-2, Lane 3: MCF-7 and Lane 4: HepG2 with EPCAM recombinant monoclonal antibody, clone KS1/4 (Cat # RAB03432).

Western Blot analysis the lysates (35 ug protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric rsion of with RAB03432 at 2 ug/mL before detection using an anti-rondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

Immunofluorescence

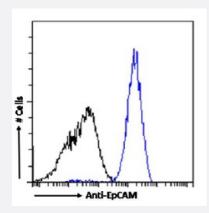


Immunofluorescent staining of Caco-2 cells with EPCAM recombinant monoclonal antibody, clone KS1/4 (Cat # RAB03432).

Immunofluorescence analysis of paraformaldehyde fixed Caco-2 cells stained with the chimeric r version of RAB03432 at a dilution of 1:100 for 1h followed by Alexa Fluor® 488 secondary antibody at a dilution of 1:1000, showing membrane staining. The nuclear stain is DAPI (blue). The isotype control was an unknown specificity antibody followed by Alexa Fluor® 488 secondary antibody.

- (A) RAB03432
- (B) DAPI
- (C) Merged channels
- (D) Isotype control





Flow Cytometry

Flow cytometric analysis of Caco-2 cells with EPCAM recombinant monoclonal antibody, clone KS1/4 (Cat # RAB03432).

Paraformaldehyde fixed Caco-2 cells were stained with anti-unknown specificity antibody (isotype control-black line) or the r version of RAB03432 (blue line) at a dilution of 1:100 for 1h at RT. After washing the bound antibody was detected using a goat anti-r AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

| Specification | |
|---------------------|---|
| Product Description | Rabbit recombinant monoclonal antibody raised against human EPCAM. |
| Antibody Species | Rabbit |
| Immunogen | Original antibody is raised against human adenocarcinoma of the lung cell line UCLA P3. |
| Reactivity | Human |
| Form | Liquid |
| Isotype | lgG |
| Recommend Usage | ELISA Flow Cytometry Immunofluorescence Western Blot The optimal working dilution should be determined by the end user. |
| Storage Buffer | In PBS with 0.02% Proclin 300 |
| Storage Instruction | Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing. |

Applications

Product Information



Western Blot

Western blot analysis of Lane 1: A431, Lane 2: Caco-2, Lane 3: MCF-7 and Lane 4: HepG2 with EPCAM recombinant monoclonal antibody, clone KS1/4 (Cat # RAB03432).

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- (A) RAB03432
- (B) DAPI
- (C) Merged channels
- (D) Isotype control

Enzyme-linked Immunoabsorbent Assay

Flow Cytometry

Flow cytometric analysis of Caco-2 cells with EPCAM recombinant monoclonal antibody, clone KS1/4 (Cat # RAB03432). Paraformaldehyde fixed Caco-2 cells were stained with anti-unknown specificity antibody (isotype control-black line) or the r version of RAB03432 (blue line) at a dilution of 1:100 for 1h at RT. After washing the bound antibody was detected using a goat anti-r AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

| Gene Info — EPCAM | |
|-------------------|--|
| Entrez GenelD | 4072 |
| Gene Name | EPCAM |
| Gene Alias | 17-1A, 323/A3, CD326, CO-17A, CO17-1A, EGP, EGP-2, EGP34, EGP40, ESA, Ep-CAM, GA7 33-2, HEA125, KS1/4, KSA, M4S1, MH99, MIC18, MK-1, MOC31, TACST-1, TACSTD1, TROP 1, hEGP-2 |
| Gene Description | epithelial cell adhesion molecule |
| Omim ID | <u>185535</u> |
| Gene Ontology | <u>Hyperlink</u> |
| Gene Summary | This gene encodes a carcinoma-associated antigen and is a member of a family that includes at I east two type I membrane proteins. This antigen is expressed on most normal epithelial cells and gastrointestinal carcinomas and functions as a homotypic calcium-independent cell adhesion mol ecule. The antigen is being used as a target for immunotherapy treatment of human carcinomas. Mutations in this gene result in congenital tufting enteropathy. [provided by RefSeq |



Product Information

Other Designations

adenocarcinoma-associated antigen|carcinoma-associated antigen GA733-2|human epithelial gl ycoprotein-2|membrane component, chromosome 4, surface marker (35kD glycoprotein)|tumor-a ssociated calcium signal transducer 1

Disease

- Genetic Predisposition to Disease
- Ovarian Neoplasms