A19301

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EpCAM Rabbit mAb

Catalog No.: A19301 Recombinant 10 Publications

Basic Information

Observed MW
35-45kDa

Calculated MW
35kDa

Category
Monoclonal Antibody

Applications
WB,ELISA,IF-P

Cross-Reactivity
Human,Mouse,Rat

Clone number
ARC0277

Background

This gene encodes a carcinoma-associated antigen and is a member of a family that includes at least 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 molecule. The antigen is being used as a target for immunotherapy treatment of human carcinomas. Mutations in this gene result in congenital tufting enteropathy.

Recommended Dilutions

WB	1:500 - 1:2000
IF-P	1:50 - 1:200
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
4072

Swiss Prot
P16422

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
ESA; KSA; M4S1; MK-1; DIAR5; EGP-2; EGP40; KS1/4; MIC18; TROP1; BerEp4; EGP314; HNPCC8; LYNCH8; MOC-31; Ber-Ep4; TACSTD1; EpCAM

Contact

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Product Information

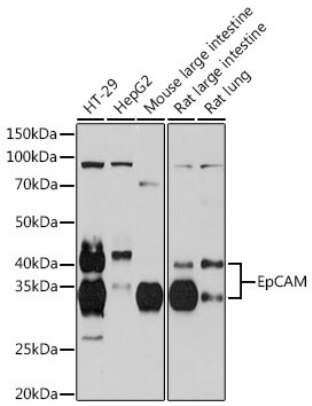
Source
Rabbit

Isotype
IgG

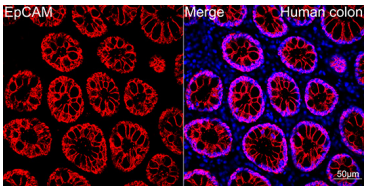
Purification
Affinity purification

Storage
Store at -20℃

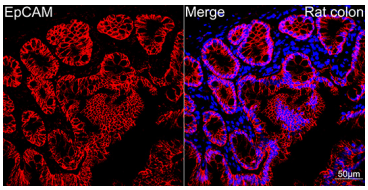
Validation Data



Western blot analysis of various lysates using EpCAM Rabbit mAb (A19301) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3min.



Confocal imaging of Human colon using EpCAM Rabbit mAb (A19301,dilution 1:50)(Red). DAPI was used for nuclear staining (blue). Objective: 40x.



Confocal imaging of Rat colon using EpCAM Rabbit mAb (A19301,dilution 1:50)(Red). DAPI was used for nuclear staining (blue). Objective: 40x.