ARG66353
anti-EpCAM antibody [SQab18103]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Recombinant Rabbit Monoclonal antibody [SQab18103] recognizes EpCAM
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Monoclonal
Clone	SQab18103
Isotype	IgG
Target Name	EpCAM
Species	Human
Immunogen	Synthetic peptide within aa. 1-100 of Human EpCAM.
Conjugation	Un-conjugated
Alternate Names	MIC18; EGP; Tumor-associated calcium signal transducer 1; Epithelial glycoprotein 314; KSA; Ep-CAM; Epithelial cell surface antigen; Adenocarcinoma-associated antigen; HNPCC8; Cell surface glycoprotein Trop-1; EGP40; TACSTD1; KS1/4; hEGP314; Major gastrointestinal tumor-associated protein GA733-2; M4S1; MK-1; Epithelial glycoprotein; KS 1/4 antigen; ESA; DIAR5; EGP314; Epithelial cell adhesion molecule; EGP-2; TROP1; CD antigen CD326

Application Instructions

Application table

Application	Dilution
IHC-P	1:100 - 1:200
WB	1:500 - 1:4000

Application Note: IHC-P: Antigen Retrieval: Heat mediated was performed using Tris/EDTA buffer (pH 9.0), primary antibody incubate at RT for 30 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: 35 kDa

Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

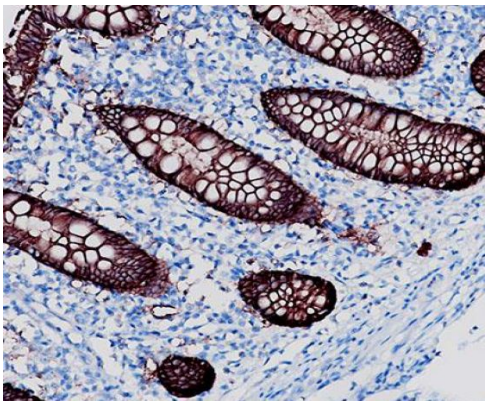
Bioinformation

Gene Symbol	EPCAM
Gene Full Name	epithelial cell adhesion molecule
Background	EpCAM is 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. [provided by RefSeq, Dec 2008]
Function	EpCAM 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. [UniProt]
Highlight	Related products: EpCAM antibodies; EpCAM ELISA Kits; EpCAM Duos / Panels; Anti-Rabbit IgG secondary antibodies; Related news: Cancer Pathology Markers (SQ clones)
Research Area	Controls and Markers antibody; Epithelial Marker antibody; Circulating Tumor Cells BioMarker antibody
Calculated Mw	35 kDa
PTM	Hyperglycosylated in carcinoma tissue as compared with autologous normal epithelia. Glycosylation at Asn-198 is crucial for protein stability. [UniProt]

Images

ARG66353 anti-EpCAM antibody [SQab18103] WB image (Customer's Feedback)

Western blot: HT-29 cell lysate stained with ARG66353 anti-EpCAM antibody [SQab18103] at 1:1000 dilution.



ARG66353 anti-EpCAM antibody [SQab18103] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded colon tissue stained with ARG66353 anti-EpCAM antibody [SQab18103]. Antigen Retrieval: Heat mediated was performed using Tris/EDTA buffer (pH 9.0).