

ARG66966 anti-EpCAM antibody

Package: 100 μl Store at: -20°C

Summary

Product DescriptionRabit Polyclonal antibody recognizes EpCAMTested ReactivityHu, MsPredict ReactivityRatTested ApplicationICC//F, IHC-P, WBHostRabitClonalityPolyclonalOrdypeIgGTarget NameEpCAMSpeciesHumanImmunogenSynthetic peptide within the intracellular domain of Human EpCAM.ConjugationMics GPC, Tumor-associated proteing Synthesize antiger; Adenocarcinnom-associated antiger; HNPCQS; Cell Synthesize Synthesize antiger; Adenocarcinnom-associated antiger; HNPCQS; Cell Synthesize Sy		
Predict ReactivityRatTested ApplicationICC/IF, IHC-P, WBHostRabbitClonalityPolyclonalIsotypeIgGTarget NameEpCAMSpeciesHumanImmunogenSynthetic peptide within the intracellular domain of Human EpCAM.ConjugationMIC18; EGP; Tumor-associated calcium signal transducer 1; Epithelial glycoprotein gA733-2; M4S1; MK-1; Epithelial glycoprotein; KS1/4 antigen; ESA; DIARS; EGP314; Epithelial cell adhesion	Product Description	Rabbit Polyclonal antibody recognizes EpCAM
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Application Instructions

Application table	Application	Dilution
	ICC/IF	1:200 - 1:500
	IHC-P	1:100 - 1:300
	WB	1:1000 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	40 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	100 mM Tris Glycine (pH 7.0), 0.025% ProClin 300 and 20% Glycerol.
Preservative	0.025% ProClin 300
Stabilizer	20% Glycerol

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]
Research Area	Controls and Markers antibody; Epithelial Marker antibody; Circulating Tumor Cells BioMarker antibody
Calculated Mw	35 kDa
РТМ	Hyperglycosylated in carcinoma tissue as compared with autologous normal epithelia. Glycosylation at Asn-198 is crucial for protein stability. [UniProt]
Cellular Localization	Lateral cell membrane; Single-pass type I membrane protein. Cell junction, tight junction. Note=Colocalizes with CLDN7 at the lateral cell membrane and tight junction. [UniProt]

Images



ARG66966 anti-EpCAM antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney carcinoma tissue stained with ARG66966 anti-EpCAM antibody at 1:200 dilution.



ARG66966 anti-EpCAM antibody WB image

Western blot: CaCo2 cell and A549 cell (negative contril) lysate stained with ARG66966 anti-EpCAM antibody at 1:1000 dilution, overnight at 4°C.



ARG66966 anti-EpCAM antibody ICC/IF image

Immunofluorescence: DU145 cell stained with ARG66966 anti-EpCAM antibody at 1:200 dilution, overnight at 4°C.