

Ep-CAM (ABT26R) rabbit mAb

Catalog No :	YM7113
Reactivity :	Human;
Applications :	WB; IHC; ELISA
Target :	Ep-CAM
Gene Name :	EPCAM;GA733-2;M1S2;M4S1;MIC18;TACSTD1;TROP1
Protein Name :	Epithelial cell adhesion molecule (Ep-CAM) (Adenocarcinoma-associated antigen) (Cell surface glycoprotein Trop-1) (Epithelial cell surface antigen) (Epithelial glycoprotein) (EGP) (Epithelial glycopro
Human Gene Id :	4072
Human Swiss Prot No :	P16422
Immunogen :	Synthesized peptide derived from human Ep-CAM AA range:100-200
Specificity :	This antibody detects endogenous levels of Ep-CAM
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal, Rabbit IgG1, Kappa
Dilution :	IHC 1:100-500, WB 1:500-1000, ELISA 1:5000-20000
Purification :	Recombinant Expression and Affinity purified
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	35kD
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. [provided by RefSeq, Dec 2008],

Subcellular Location :

Lateral cell membrane ; Single-pass type I membrane protein . Cell junction, tight junction . Colocalizes with CLDN7 at the lateral cell membrane and tight junction. .

Expression :

Highly and selectively expressed by undifferentiated rather than differentiated embryonic stem cells (ESC). Levels rapidly diminish as soon as ESC's differentiate (at protein levels). Expressed in almost all epithelial cell membranes but not on mesodermal or neural cell membranes. Found on the surface of adenocarcinoma.

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