

**Ep-CAM (ABT26R) rabbit mAb**

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

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**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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