Data Sheet (Cat.No.TMAY-03374)

TargetMol

Anti-EpCAM/TROP1 Antibody (6T822)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Mouse
Conjugation:	Unconjugated
Clone:	6T822
Purification:	Protein A

Applications

Verified Activity:	1. Immunochemical staining of mouse EpCAM in mouse uterus with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections). 2. Immunochemical staining of mouse EpCAM in mouse intestine with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).
Application:	IHC-P
Recommended	IHC-P: 1:100-1:500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Mouse EpCAM / TROP-1 / TACSTD1 protein (TMPY-01766)
Antigen Species:	Mouse
Synonyms:	epithelial cell adhesion molecule;M4S1;MK-1;EGP314;MIC18;KSA;TROP1;TACSTD1;TROP-1;KS1/4;HNPCC8;EGP-2;EGP40;DIAR5;ESA

Research Background

Epithelial Cell Adhesion Molecule (EpCAM), also known as GA733-2 antigen, is a type I transmembrane glycoprotein composed of an extracellular domain with two EGF-Like repeats and a cystenin-rich region, a transmembrane domain and a cytoplasmic domain. It modulates cell adhesion and proliferation. Its overexpression has been detected in many epithelial tumours and has been associated with high stage, high grade and a worse survival in some tumour types. EpCAM has been shown to function as a calcium-independent homophilic cell adhesion molecule that does not exhibit any obvious relationship to the four known cell adhesion molecule superfamilies. However, recent insights have revealed that EpCAM participates in not only cell adhesion, but also in proliferation, migration and differentiation of cells. In addition, recent study revealed that EpCAM is the Wnt-beta-catenin signaling target gene and may be used to facilitate prognosis. It has oncogenic potential and is activated by release of its intracellular domain, which can signal into the cell nucleus by engagement of elements of the wnt pathway.
Cancer ImmunotherapyImmune CheckpointImmunotherapyTargeted Therapy

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