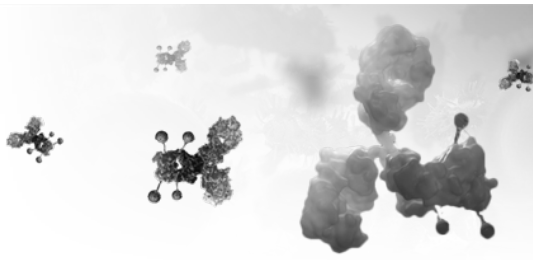

Rabbit Anti-Human EpCAM monoclonal antibody, clone S139 (CABT-ZB956)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human EpCAM It has no cross-reactivity in ELISA with Human CD146/MCAM, Human CD171/N-CAML1/L1CAM, Human OBCAM/OPCML, Human TROP2/TACSTD2.
Target	EPCAM
Immunogen	Recombinant Human EpCAM protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	S139
Purification	Protein A purified
Conjugate	Unconjugated
Applications	WB, ELISA, ELISA(det), IHC-P, FC, ICC/IF, IP We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB606 - CABT-ZB956 This antibody will detect EpCAM in antibody pair set. [ABPR-ZB184]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human EpCAM / TROP1.
Format	Purified, Liquid
Concentration	Lot specific

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Size	50 µL, 100 µL, 1 mL
Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Epithelial Cell Adhesion Molecule (EpCAM), also known as GA733-2 antigen, is a type â…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.
Keywords	EPCAM; epithelial cell adhesion molecule; antigen identified by monoclonal AUA1 , M4S1, MIC18, TACSTD1, tumor associated calcium signal transducer 1; 17 1A

GENE INFORMATION

Synonyms	EPCAM; epithelial cell adhesion molecule; antigen identified by monoclonal AUA1 , M4S1, MIC18, TACSTD1, tumor associated calcium signal transducer 1; 17 1A; 323/A3; CD326; CO 17A; EGP 2; EGP34; EGP40
Entrez Gene ID	4072
UniProt ID	P16422

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