

Datasheet for ABIN7321140
EpCAM Protein (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	EpCAM (EPCAM)
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EpCAM protein is labelled with His tag.

Product Details

Purpose:	Recombinant Rat EpCAM/TROP-1 Protein (His Tag)
Sequence:	Met1-Thr266
Characteristics:	A DNA sequence encoding the rat EPCAM (O55159) (Met1-Thr266) was expressed, fused with a polyhistidine tag at the C-terminus.
Purity:	> 97 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method

Target Details

Target:	EpCAM (EPCAM)
Alternative Name:	EpCAM/TROP-1 (EPCAM Products)
Background:	Background: 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

Target Details

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.

Immune Checkpoint Immunotherapy Cancer
Immunotherapy Targeted Therapy

Synonym: EPCAM;Tacstd1

Molecular Weight: 29.2 kDa

UniProt: [O55159](#)

Application Details

Restrictions: For Research Use only

Handling

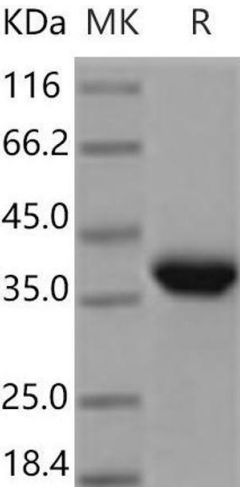
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.