Datasheet for ABIN7320206

Syndecan 1 Protein (SDC1) (His tag)

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	Syndecan 1 (SDC1)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Syndecan 1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse Syndecan-1/SDC1 Protein (His Tag)
Sequence:	Met 1-Glu 252
Characteristics:	A DNA sequence encoding the extracellular domain of mouse SDC1 (NP_035649.1) (Met 1-Glu 252) was expressed, with a C-terminal polyhistidine tag.
Purity:	> 80 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	Syndecan 1 (SDC1)
Alternative Name:	Syndecan-1/SDC1 (SDC1 Products)
Background:	Background: Syndecan-1 also known as SDC1 and CD138, is the most extensively studied member of the syndecan family. It is found mainly in epithelial cells, but its expression is developmentally regulated during embryonic development. Syndecan-1/SDC1/CD138 has been

Target Details

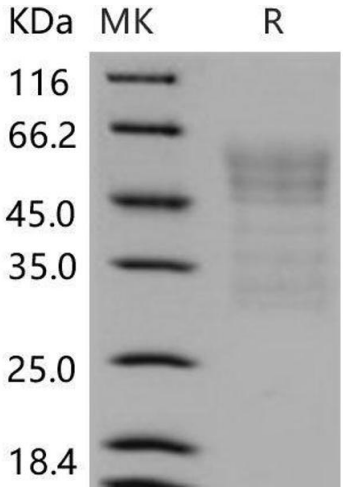
	shown to mediate cell adhesion to several ECM molecules, and to act as a coreceptor for fibroblast growth factors, potent angiogenic growth factors involved also in differentiation. Syndecan-1/SDC1/CD138 expression is reduced during malignant transformation of various epithelia, and this loss correlates with the histological differentiation grade of squamous cell carcinomas, lacking from poorly differentiated tumours. In squamous cell carcinomas of the head and neck, positive syndecan-1 expression correlates with a more favourable prognosis. Experimental studies on the role of Syndecan-1 in malignant transformation have shown that Syndecan-1/SDC1/CD138 expression is associated with the maintenance of epithelial morphology, anchorage-dependent growth and inhibition of invasiveness in vitro. Synonym: AA408134,AA409076,CD138,Sstn,syn-1,Synd,Synd1
Molecular Weight:	26 kDa
NCBI Accession:	NP_035649
Pathways:	Glycosaminoglycan Metabolic Process, Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development, Lipid Metabolism

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.