Datasheet for ABIN7317343

ILKAP Protein (His tag)

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Overview

Quantity:	100 µg
Target:	ILKAP
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ILKAP protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human ILKAP Protein (His Tag)
Sequence:	Met 1-His 392
Characteristics:	A DNA sequence encoding the human ILKAP (Q9H0C8) (Met 1-His 392) was expressed, with a C-terminal polyhistidine tag.
Purity:	> 92 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	ILKAP
Alternative Name:	ILKAP (ILKAP Products)
Background:	Background: Integrin-linked kinase-associated serine/threonine phosphatase 2C, also known as ILKAP, is cytoplasm protein which belongs to the PP2C family. ILKAP contains one PP2C-like domain. ILKAP is widely expressed. Highest levels expressed in striated muscle. Much lower

Target Details

	levels evident in various smooth muscle tissues. ILKAP may play a role in regulation of cell cycle progression via dephosphorylation of its substrates whose appropriate phosphorylation states might be crucial for cell proliferation. ILKAP selectively associates with integrin linked kinase (ILK), to modulate cell adhesion and growth factor signaling. ILKAP inhibits the ILK-GSK3B signaling axis and may play an important role in inhibiting oncogenic transformation. Integrin-linked kinase (ILK) plays key roles in a variety of cell functions, including cell proliferation, adhesion and migration. Within the cell, ILK localizes to multiple sites, including the cytoplasm, focal adhesion complexes that mediate cell adhesion to extracellular substrates, as well as cell-cell junctions in epidermal keratinocytes. Nuclear ILK can be rapidly exported into the cytoplasm through a CRM1-dependent pathway, and its export is enhanced by the type 2C protein phosphatase ILKAP. Nuclear localization of ILK in epidermal keratinocytes is associated with increased DNA synthesis, which is sensitive to inhibition by ILKAP. Synonym: ILKAP2;ILKAP3;PP2C-DELTA
Molecular Weight:	44.3 kDa
UniProt:	Q9H0C8

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.