

Anti-ILKAP Antibody



Description

The protein encoded by this gene is a protein serine/threonine phosphatase of the PP2C family. This protein can interact with integrin-linked kinase (ILK/ILK1), a regulator of integrin mediated signaling, and regulate the kinase activity of ILK. Through the interaction with ILK, this protein may selectively affect the signaling process of ILK-mediated glycogen synthase kinase 3 beta (GSK3beta), and thus participate in Wnt signaling pathway.

Model	STJ116517
Host	Rabbit
Reactivity	Human, Mouse
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-392 of human ILKAP (NP_110395.1).
Gene ID	80895
Gene Symbol	ILKAP
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Widely expressed, Highest levels expressed in striated muscle, Much lower levels evident in various smooth muscle tissues
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Integrin-linked kinase-associated serine/threonine phosphatase 2C ILKAP
Molecular Weight	42.907 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:15566
Alternative Names	Integrin-linked kinase-associated serine/threonine phosphatase 2C ILKAP
Function	Protein phosphatase that 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, Selectively associates with integrin linked kinase (ILK), to modulate cell adhesion and growth factor signaling, Inhibits the ILK-GSK3B signaling axis and may play an important role in inhibiting oncogenic transformation,
Cellular Localization	Cytoplasm

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