

Product Name: ILKAP Rabbit Polyclonal Antibody**Catalog #: APRab12580**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat,Monkey
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
Molecular Weight	45kDa

Antigen Information

Gene Name	ILKAP
Alternative Names	ILKAP; Integrin-linked kinase-associated serine/threonine phosphatase 2C; ILKAP
Gene ID	80895.0
SwissProt ID	Q9H0C8
Immunogen	The antiserum was produced against synthesized peptide derived from human ILKAP. AA range:41-90

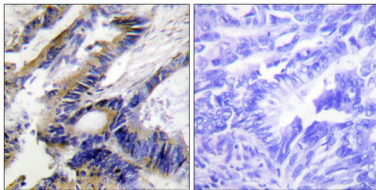
Background

The protein encoded by this gene is a protein serine/threonine phosphatase of the PP2C family. This protein can interact with

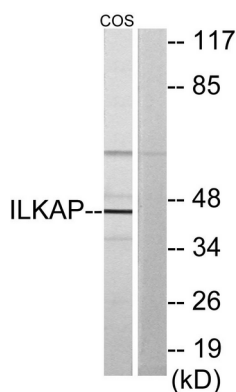
integrin-linked kinase (ILK/ILK1), a regulator of integrin mediated signaling, and regulate the kinase activity of ILK. Through the interaction with ILK, this protein may selectively affect the signaling process of ILK-mediated glycogen synthase kinase 3 beta (GSK3beta), and thus participate in Wnt signaling pathway. [provided by RefSeq, Jul 2008],catalytic activity:A phosphoprotein + H(2)O = a protein + phosphate.,cofactor:Binds 2 magnesium or manganese ions per subunit.,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.,induction:Inhibited rather than stimulated by Magnesium.,similarity:Belongs to the PP2C family.,similarity:Contains 1 PP2C-like domain.,subunit:Interacts with ILK. Specific association with ILK is independent of the catalytic activity of either partner.,tissue specificity:Widely expressed. Highest levels expressed in striated muscle. Much lower levels evident in various smooth muscle tissues.,

Research Area

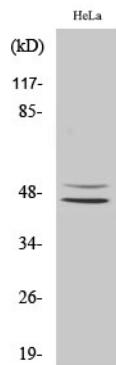
Image Data



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using ILKAP Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COS7 cells, using ILKAP Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using ILKAP Polyclonal Antibody