

**ILKAP Antibody(Center) Blocking peptide**  
Synthetic peptide  
Catalog # BP19399c

**Specification**

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**ILKAP Antibody(Center) Blocking peptide - Product Information**

Primary Accession [Q9H0C8](#)

**ILKAP Antibody(Center) Blocking peptide - Additional Information**

**Gene ID** 80895

**Other Names**

Integrin-linked kinase-associated serine/threonine phosphatase 2C, ILKAP, ILKAP

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**ILKAP Antibody(Center) Blocking peptide - Protein Information**

**Name** 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 Location**

Cytoplasm.

**Tissue Location**

Widely expressed. Highest levels expressed in striated muscle. Much lower levels evident in various smooth muscle tissues.

**ILKAP Antibody(Center) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **ILKAP Antibody(Center) Blocking peptide - Images**

### **ILKAP Antibody(Center) Blocking peptide - Background**

The protein encoded by this gene is a proteinserine/threonine phosphatase of the PP2C family. This protein caninteract with integrin-linked kinase (ILK/ILK1), a regulator ofintegrin mediated signaling, and regulate the kinase activity ofILK. Through the interaction with ILK, this protein may selectivelyaffect the signaling process of ILK-mediated glycogen synthasekinase 3 beta (GSK3beta), and thus participate in Wnt signalingpathway.

### **ILKAP Antibody(Center) Blocking peptide - References**

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Hillier, L.W., et al. Nature 434(7034):724-731(2005)  
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