

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

Specification

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

Nakrieko, K.A., et al. Cell Cycle 7(14):2157-2166(2008)Olsen, J.V., et al. Cell 127(3):635-648(2006)Olsen, J.V., et al. Cell 127(3):635-648(2006)Hillier, L.W., et al. Nature 434(7034):724-731(2005)Kumar, A.S., et al. Oncogene 23(19):3454-3461(2004)