



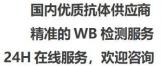
## **ILKAP Monoclonal Antibody**

evident in various smooth muscle tissues.  Function  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 grow factor signaling. Inhibits the ILK-GSK3B signaling axis and may play an importar role in inhibiting oncogenic transformation.,induction:Inhibited rather than stimulated by Magnesium.,similarity:Belongs to the PP2C		
Reactivity Human; Mouse; Rat; Monkey  Applications WB  Gene Name ILKAP  Protein Name Integrin-linked kinase-associated serine/threonine phosphatase 2C  Immunogen The antiserum was produced against synthesized peptide derived from human ILKAP. AA range: 41-90  Specificity ILKAP Monoclonal Antibody detects endogenous levels of ILKAP protein.  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Monoclonal, Mouse, IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms ILKAP; Integrin-linked kinase-associated serine/threonine phosphatase 2C; ILKAP  Observed Band 45kD  Cell Pathway Cytoplasm .  Tissue Specificity Widely expressed. Highest levels expressed in striated muscle. Much lower leve evident in various smooth muscle tissues.  Function 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 growt factor signaling. Inhibits the ILK-GSK3B signaling axis and may play an importar role in inhibiting oncogenic transformation., induction: Inhibited rather than stimulated by Magnesium. similarity: Belongs to the PP2C	Catalog No	BYmab-14785
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Immunogen  The antiserum was produced against synthesized peptide derived from human ILKAP. AA range:41-90  Specificity  ILKAP Monoclonal Antibody detects endogenous levels of ILKAP protein.  Formulation  Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source  Monoclonal, Mouse, IgG  Purification  The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution  WB 1:500-2000  Concentration  1 mg/ml  Purity  290%  Storage Stability  -20°C/1 year  Synonyms  ILKAP; Integrin-linked kinase-associated serine/threonine phosphatase 2C; ILKAP  Observed Band  45kD  Cell Pathway  Cytoplasm.  Tissue Specificity  Widely expressed. Highest levels expressed in striated muscle. Much lower level evident in various smooth muscle tissues.  Function  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 growl factor signaling. Inhibits the ILK-GSK/83 signaling axis and may play an importar role in inhibiting oncogenic transformation., induction: Inhibited rather than stimulated by Mangaesium. similarity: Belongs to the PP2C	Gene Name	ILKAP
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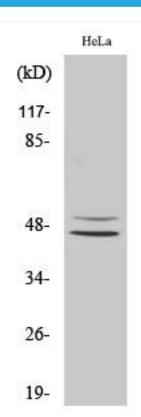






	association with ILK is independent of the catalytic activity of either partner.,tissue specificity:Widely expressed. Highest levels expressed in striated muscle. Muc
Background	The protein encoded by this gene is a protein serine/threonine phosphatase of the PP2C family. This protein can interact with 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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **Products Images**



Western Blot analysis of various cells using ILKAP Monoclonal Antibody

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