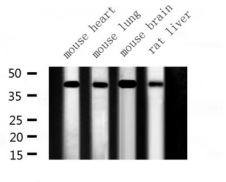
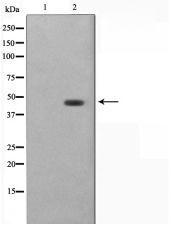
ILKAP Ab

Cat.#: AF0526	Concn.: 1mg/ml	Mol.Wt.: 45kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

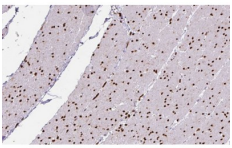
Application:	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Specificity:	ILKAP Ab detects endogenous levels of ILKAP.
Immunogen:	A synthesized peptide derived from human ILKAP.
Uniprot:	Q9H0C8
Description:	ILKAP a protein serine/threonine phosphatase of the PP2C family. 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. Alternatively spliced transcript variants encoding distinct isoforms have been described.
Subcellular Location:	Cytoplasm.
Tissue Specificity:	Widely expressed. Highest levels expressed in striated muscle. Much lower levels evident in various smooth muscle tissues.
Similarity:	Belongs to the PP2C family.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis of ILKAP expression in various lysates



Western blot analysis on COS7 cell lysate using ILKAP Ab,The lane on the left is treated with the antigen-specific peptide.



AF0526 at 1/100 staining human Smooth muscle tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

AF0526 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.