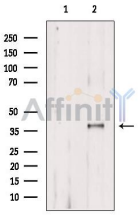
Phospho-AMPK beta 1 (Ser181) Ab

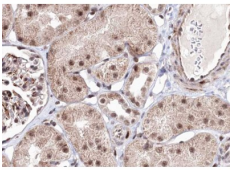
Images(3)

Cat.#: AF3494	Concn.: ~1mg/ml	Mol.Wt.: 38kDa
Size:	Source: Rabbit	Clonality: Polyclonal

Application:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500 *The optimal dilutions should be determined by the end user.
Reactivity:	Human,Mouse,Rat
Storage:	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.
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Immunogen:	A synthesized peptide derived from human AMPK ?1 around the phosphorylation site of Ser181.
Uniprot:	Q9Y478
Description:	AMPK?1 is a member of the SNF1 kinase family. It is a heterotrimeric protein comprising of an alpha (catalytic), beta (non-catalytic) and gamma (non-catalytic) subunits, 63, 38 and 38kDa respectively.AMPK?1 regulates fatty acid and sterol synthesis by phosphorylation of acteyl-coA.



Western blot analysis of extracts from heat-shock treated HepG2 cells, using Phospho-AMPK beta-1(Ser181) Ab. The lane on the left was treated with blocking peptide.



AF3494 at 1/100 staining human kindey carcinoma 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 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.