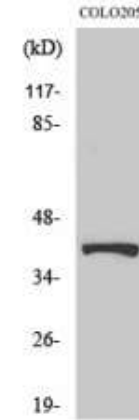


Phospho-AMPK β 1 (Ser182) Antibody

CATALOG NO:	A1248-100 100 μ l
ALTERNATE NAMES:	PRKAB1; AMPK; 5'-AMP-activated protein kinase subunit beta-1; AMPK subunit beta-1; AMPKb
AMOUNT:	100 μ l (1 mg/ml)
IMMUNOGEN:	Synthesized peptide derived from human AMPK β 1 around the phosphorylation site of S182 (120-200aa)
MOL. WEIGHT	38 kDa
HOST/ISOTYPE:	Rabbit IgG
SPECIES REACTIVITY:	Human, Mouse, Rat
SPECIFICITY:	Phospho-AMPK β 1 (S182) Polyclonal Antibody detects endogenous levels of AMPK β 1 protein only when phosphorylated at S182.
PURIFICATION:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
FORM:	Liquid
FORMULATION:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide
STORAGE CONDITIONS:	Store at -20°C. Avoid repeated freeze/thaw cycles.
DESCRIPTION:	Non-catalytic subunit of AMP-activated protein kinase (AMPK), an energy sensor protein kinase that plays a key role in regulating cellular energy metabolism. In response to reduction of intracellular ATP levels, AMPK activates energy-producing pathways and inhibits energy-consuming processes: inhibits protein, carbohydrate and lipid biosynthesis, as well as cell growth and proliferation. AMPK acts via direct phosphorylation of metabolic enzymes, and by longer-term effects via phosphorylation of transcription regulators. Also acts as a regulator of cellular polarity by remodeling the actin cytoskeleton; probably by indirectly activating myosin. Beta non-catalytic subunit acts as a scaffold on which the AMPK complex assembles, via its C-terminus that bridges alpha (PRKAA1 or PRKAA2) and gamma subunits (PRKAG1, PRKAG2 or PRKAG3).
APPLICATION:	WB 1:500-1:2000; IHC 1:100-1:300; ELISA 1:40000

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Western Blot analysis of COLO205 cells using Phospho-AMPKbeta1 (Ser182) Polyclonal Antibody

RELATED PRODUCTS:

- AMPK α Antibody (Cat. No. 3113-100)
- AMPK α 1 Antibody (Cat. No. 3110-100)
- AMPK β Antibody (Cat. No. 3108-100)
- AMPK γ Antibody (Cat. No. 3109-100)
- AMPK1 Antibody (Cat. No. 3112-100)
- AMPK2 Antibody (Cat. No. 3118-100)
- AMPK α 1 Antibody (Cat. No. 3951-100)
- AMPK α 2 Antibody (Cat. No. 3117-50)
- AMPK α 2 Antibody (Cat. No. 3169-50)

FOR RESEARCH USE ONLY! Not to be used on humans.