



PRKAB1 Monoclonal Antibody

Product Code	CSB-MA826344
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Immunogen	Purified recombinant Human AMPK beta 1 protein fragments expressed in E.coli.
Raised In	Mouse
Species Reactivity	Human,Mouse,Rat,Monkey
Specificity	This antibody detects endogenous levels of AMPK beta 1 and does not cross-react with related proteins.
Tested Applications	ELISA,WB,IHC,ICC,IP;Recommended dilution:WB:1:500-1:5000,IHC:1:50-1:500,ICC:1:50-1:200,IP:1:200-1:2000
Relevance	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).
Form	Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity purified
Isotype	Hu Ms Rt Mk
Clonality	Monoclonal
Alias	1300015D22Rik; 5 AMP activated protein kinase subunit beta 1; 5-AMP-activated protein kinase subunit beta-1; AAKB1_HUMAN; AMP-ACTIVATED PROTEIN KINASE, NONCATALYTIC, BETA-1; AMP-activated, noncatalytic, beta-1; AMPK; AMPK beta 1 chain;
Product Type	Monoclonal Antibody