

AMPK γ 1 Mouse Monoclonal Antibody(3G12)

Catalog No: RA10304

Basic Information

Host species	Mouse
Applications	WB,IHC
Species Cross-Reactivity	H,M,R
Specificity	The antibody can detects endogenousAMPK γ 1proteins.
Recommended dilutions	WB 1:2,000-5,000 IHC: 1:100-200 Optimal dilutions should be determined by the end user.

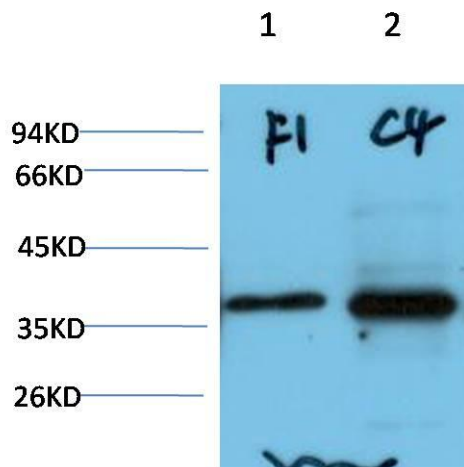
Applications

Formulation	Antigen Affinity Purified IgG in PBS, pH 7.4, containing 0.02% sodium azide as Preservativeand 50% Glycerol.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/ml
Clonality	Monoclonal

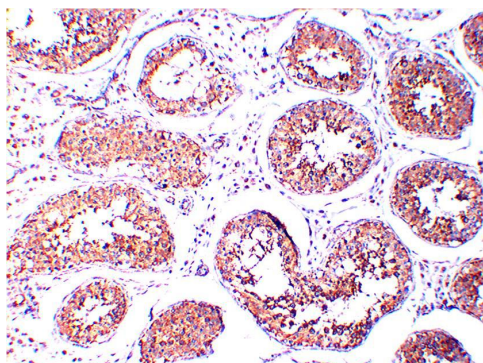
Background

Alternative Names	AMPK gamma 1, AMPKg, PRKAG 1
Observed band	~38
Human Gene ID	5571
Human Swiss-Prot Number	P54619
Background	AMP-activated protein kinase (AMPK) is highly conserved from yeast to plants and animals and plays a key role in the regulation of energy homeostasis. AMPK is a heterotrimeric complex composed of a catalytic α subunit and regulatory β and γ subunits, each of which is encoded by two or three distinct genes (α 1, 2; β 1, 2; γ 1, 2, 3).

Selected Validation Data



Western blot analysis of 1)293T Cell, 2) Mouse Brain Tissue Lysate using AMPK γ 1 Mouse Monoclonal mAb diluted at 1:5,000.



Immunohistochemical analysis of paraffin-embedded Human Colon Tissue using AMPK γ 1 Mouse Monoclonal antibody diluted at 1:200.