

# AMPK $\gamma$ 1 Mouse Monoclonal Antibody(3G12)

Catalog TDY1050C TDY1050F

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Quantity 50 $\mu$ L 100 $\mu$ L

Entrez-Gene ID:5571, Swiss-Prot Acc.P54619

**For research use only.**

Applications	Species Cross-Reactivity	Molecular Weight	Isotype
WB,IHC	H,M,R	~38KD	IgG1

**Storage Buffer & Condition:** Antigen Affinity Purified IgG1 in PBS, pH 7.4, containing 0.02% **sodium azide** as Preservative and 50% Glycerol.

Store at **-20°C. Do not aliquot the antibody.**

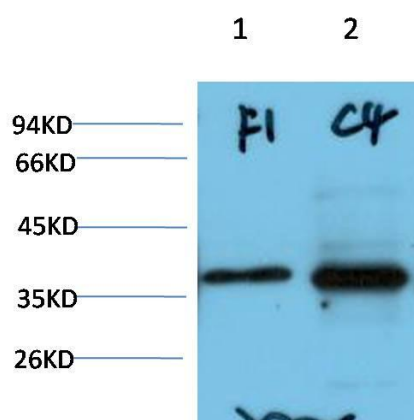
**Recommended dilutions:** WB 1:2,000-5,000 IHC: 1:100-200

**Optimal dilutions should be determined by the end user.**

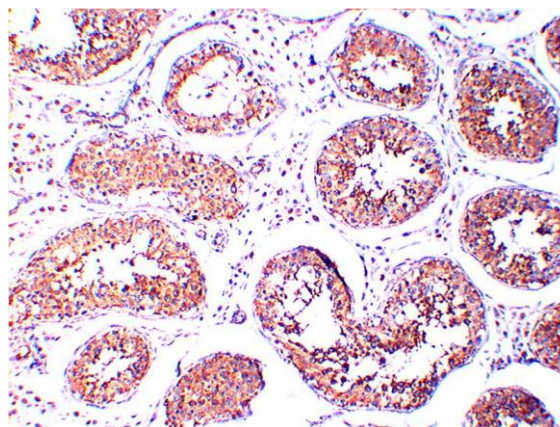
**Specificity:** The antibody can detect endogenous AMPK  $\gamma$ 1 proteins.

**Alternative Names:** AMPK gamma 1, AMPKg, PRKAG 1

**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  $\alpha$  subunit and regulatory  $\beta$  and  $\gamma$  subunits, each of which is encoded by two or three distinct genes ( $\alpha$ 1, 2;  $\beta$ 1, 2;  $\gamma$ 1, 2, 3).



Western blot analysis of 1) 293T Cell, 2) Mouse Brain Tissue Lysate using AMPK  $\gamma$ 1 (TDY1050) Mouse Monoclonal mAb diluted at 1:5,000.



Immunohistochemical analysis of paraffin-embedded Human Colon Tissue using AMPK  $\gamma$ 1 (TDY1050) Mouse Monoclonal antibody diluted at 1:200.