



# AMPK alpha 1 Rabbit mAb

|                    |                                                                                                                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | BYab-17812                                                                                                                                                                                                                       |
| Isotype            | IgG                                                                                                                                                                                                                              |
| Reactivity         | Human,Mouse,Rat                                                                                                                                                                                                                  |
| Applications       | WB,IHC-P,ICC/IF,IP,FC                                                                                                                                                                                                            |
| Gene Name          | PRKAA1                                                                                                                                                                                                                           |
| Alternative Names  | PRKAA1; AMPK1; 5'-AMP-activated protein kinase catalytic subunit alpha-1; AMPK subunit alpha-1; Acetyl-CoA carboxylase kinase; ACACA kinase; Hydroxymethylglutaryl-CoA reductase kinase; HMGCR kinase; Tau-protein kinase PRKAA1 |
| Research Field     | Neuroscience                                                                                                                                                                                                                     |
| Product Categories | Primary antibody                                                                                                                                                                                                                 |
| Host               | Rabbit                                                                                                                                                                                                                           |
| Molecular Weight   | Calculated MW: 64 kDa; Observed MW: 64 kDa                                                                                                                                                                                       |
| Clonality          | Monoclonal Antibody                                                                                                                                                                                                              |
| Clonality No.      | R02-3H6                                                                                                                                                                                                                          |
| Dilution           | WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/50 FC: 1/50-1/100                                                                                                                                                          |
| Immunogen          | A synthesized peptide derived from human AMPK alpha 1                                                                                                                                                                            |
| Purification       | Affinity Chromatography                                                                                                                                                                                                          |
| Conjugation        | Unconjugated                                                                                                                                                                                                                     |
| Modification       | Unmodified                                                                                                                                                                                                                       |
| Form               | Liquid                                                                                                                                                                                                                           |
| Buffer System      | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                                               |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                          |
| Purity             | ≥90%                                                                                                                                                                                                                             |
| Storage            | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.                                                                                                                                         |
| Background         | AMPKA1 a protein kinase of the CAMKL family that plays a central role in regulating cellular and organismal energy balance in response to the balance                                                                            |

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between AMP/ATP, and intracellular  $\text{Ca}^{2+}$  levels.

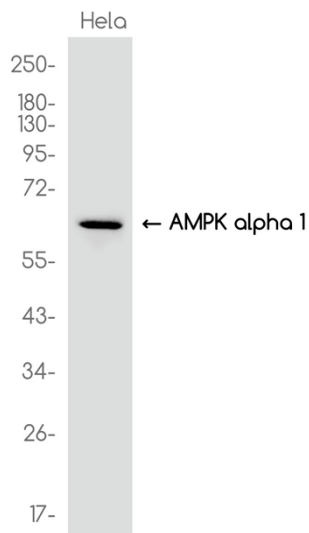
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



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网址: [www.njbybio.com](http://www.njbybio.com)

官方热线: 025-5229-8998

监督电话: 15950492658