

## Rabbit AMPK alpha 1 Polyclonal Antibody | anti-AMPKalpha1 antibody

Anti-AMPK alpha 1 (pS496) Antibody

| CATALOG # | HOST   | REACTIVITY                 | APPLICATIONS                                           |
|-----------|--------|----------------------------|--------------------------------------------------------|
| AAA292497 | Rabbit | Human, Mouse, Rat, Chicken | Immunohistochemistry, Immunofluorescence, Western Blot |

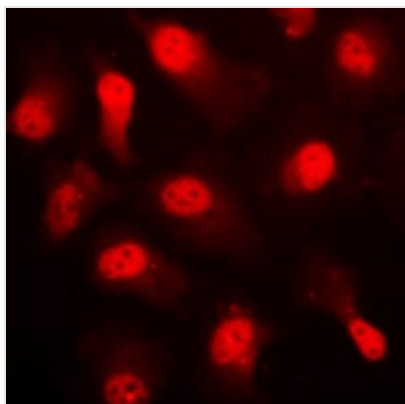
### PRODUCT SYNONYMS

AMPK alpha 1; Polyclonal Antibody; Anti-AMPK alpha 1 (pS496) Antibody; AMPK1; 5'-AMP-activated protein kinase catalytic subunit alpha-1; AMPK subunit alpha-1; Acetyl-CoA carboxylase kinase; ACACA kinase; Hydroxymethylglutaryl-CoA reductase kinase; HMGR kinase; Tau-protein kinase PRKAA1; anti-AMPKalpha1 antibody

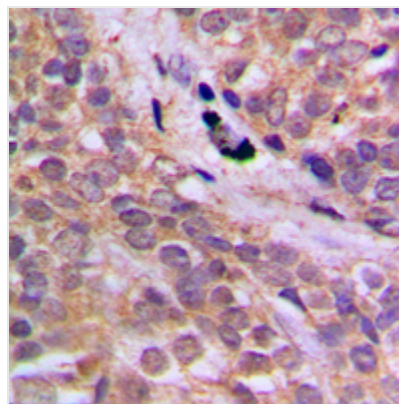
### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                       |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | Rabbit                                                                                                                                                |
| Reactivity                                           | Human, Mouse, Rat, Chicken                                                                                                                            |
| Clonality                                            | Polyclonal                                                                                                                                            |
| Applicable Applications for anti-AMPKalpha1 antibody | IHC (Immunohistochemistry), IC (Immunochemistry), IF (Immunofluorescence), WB (Western Blot)                                                          |
| Preparation and Storage                              | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

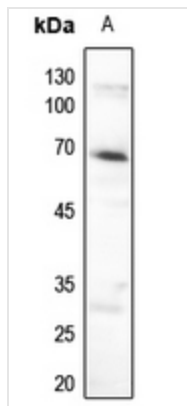
### IMAGES


**IF (Immunofluorescence)**

Dilution: WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)


**IHC (Immunohistochemistry)**

Dilution: WB: (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500) Immunohistochemical analysis of AMPK alpha 1 (pS496) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



#### WB (Western Blot)

Dilution: WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500) Western blot analysis of AMPK alpha 1 (pS496) expression in rat liver (A) whole cell lysates.

## ADDITIONAL INFORMATION

#### Related Product Information for anti-AMPKalpha1 antibody

Rabbit polyclonal antibody to AMPK alpha 1 (pS496)  
KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human AMPK alpha 1 (pS496). The exact sequence is proprietary.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 27469582                                                                                                                                                                                                                                                       |
| NCBI GeneID                      | 5562                                                                                                                                                                                                                                                           |
| UniProt Accession #              | Q13131; O00286; Q5D0E1; Q86VS1; Q9UNQ4; A8MTQ6; B2R7E1                                                                                                                                                                                                         |
| Molecular Weight                 | 64,009 Da                                                                                                                                                                                                                                                      |
| NCBI Official Full Name          | PRKAA1 protein                                                                                                                                                                                                                                                 |
| NCBI Official Synonym Full Names | protein kinase, AMP-activated, alpha 1 catalytic subunit                                                                                                                                                                                                       |
| NCBI Official Symbol             | PRKAA1                                                                                                                                                                                                                                                         |
| NCBI Official Synonym Symbols    | AMPK; AMPKa1                                                                                                                                                                                                                                                   |
| NCBI Protein Information         | 5'-AMP-activated protein kinase catalytic subunit alpha-1; ACACA kinase; AMPK alpha 1; HMGCR kinase; AMPK subunit alpha-1; tau-protein kinase PRKAA1; acetyl-CoA carboxylase kinase; AMP -activate kinase alpha 1 subunit; hydroxymethylglutaryl-CoA reductase |
| UniProt Protein Name             | 5'-AMP-activated protein kinase catalytic subunit alpha-1                                                                                                                                                                                                      |
| UniProt Gene Name                | PRKAA1                                                                                                                                                                                                                                                         |
| UniProt Synonym Gene Names       | AMPK1; AMPK subunit alpha-1; ACACA kinase; HMGCR kinase                                                                                                                                                                                                        |
| UniProt Entry Name               | AAPK1_HUMAN                                                                                                                                                                                                                                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ampk-alpha-1-antibody-immunohistochemistry-immunochemistry-immunofluorescence-western-blot-elisa/292497>