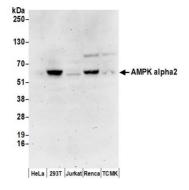
## AMPK alpha 2 Antibody

| Rabbit Polyclonal<br>Antigen Affinity Purified<br>Catalog No. A300-508A<br>Lot No. A300-508A-2 |       | 508A                                                                                                                                                                                                                                                   | Protein ID<br>GenelD | AAH69823.1<br>5563             | BETHYL<br>LABORATORIES, INC          |
|------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------|--------------------------------------|
| APPLICATIONS                                                                                   |       | WB, IP                                                                                                                                                                                                                                                 |                      |                                |                                      |
| SPECIES REACTIVITY                                                                             |       | Human, Mouse                                                                                                                                                                                                                                           |                      |                                |                                      |
| PRESUMED REACTIVITY                                                                            |       | Based on 100% sequence identity, this antibody is predicted to react with Pig and Orangutan                                                                                                                                                            |                      |                                |                                      |
| AMOUNT                                                                                         |       | 100 μΙ                                                                                                                                                                                                                                                 |                      |                                |                                      |
| CONCENTRATION                                                                                  |       | 1000 μg/ml                                                                                                                                                                                                                                             |                      |                                |                                      |
| STORAGE/SHELF LIFE                                                                             |       | 2 - 8° C / 1 year from date of receipt                                                                                                                                                                                                                 |                      |                                |                                      |
| PHYSICAL STATE                                                                                 |       | Liquid                                                                                                                                                                                                                                                 |                      |                                |                                      |
| BUFFER                                                                                         |       | Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide                                                                                                                                                                                 |                      |                                |                                      |
| ISOTYPE                                                                                        |       | lgG                                                                                                                                                                                                                                                    |                      |                                |                                      |
| ORIGIN                                                                                         |       | USA                                                                                                                                                                                                                                                    |                      |                                |                                      |
| PRODUCTION<br>PROCEDURES                                                                       |       | Antibody was affinity purified using an epitope specific to AMPK alpha 2 immobilized on solid support.                                                                                                                                                 |                      |                                |                                      |
|                                                                                                |       | The epitope recognized by A300-508A maps to a region between residues 350 and 400 of human 5'-AMP-activated Protein Kinase, catalytic Alpha-2 chain using the numbering given in entry AAH69823.1 (GeneID 5563).                                       |                      |                                |                                      |
|                                                                                                |       | Immunoglobuli<br>of 1.4 equals 1                                                                                                                                                                                                                       |                      | n was determined by extinction | on coefficient: absorbance at 280 nm |
| APPLICATIONS                                                                                   |       | Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.                                                                        |                      |                                |                                      |
|                                                                                                |       | Western Blot                                                                                                                                                                                                                                           | 1:5                  | 00 - 1:5,000                   |                                      |
|                                                                                                |       | Immunoprecip                                                                                                                                                                                                                                           | itation 2 –          | 8 µg/mg lysate                 |                                      |
| APPLICATION N                                                                                  | IOTES | Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100–020),<br>Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120–113P) and 4–20% SDS–PAGE<br>(link to IP–western blot protocol in Additional Info section below). |                      |                                |                                      |
|                                                                                                |       | Western blot of                                                                                                                                                                                                                                        | lysates perfor       | med using standard western     | blot reagents and 4-20% SDS-PAGE.    |
| ADDITIONAL IN                                                                                  | IFO   | https://www.bethyl.com/product/A300–508A                                                                                                                                                                                                               |                      |                                |                                      |
|                                                                                                |       | Use the link above to view SDS, a current list of citations, and other product specific informat<br>IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB                                                                            |                      |                                |                                      |
|                                                                                                |       |                                                                                                                                                                                                                                                        |                      |                                |                                      |

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019

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Detection of human and mouse AMPK alpha 2 by western blot. Samples: Whole cell lysate (50  $\mu$ g) from HeLa, HEK293T, Jurkat, mouse Renca, and mouse TCMK-1 cells. Antibodies: Affinity purified rabbit anti-AMPK alpha 2 antibody A300-508A (lot A300-508A-2) used for WB at 0.4  $\mu$ g/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



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