

## Rabbit UCP2 Polyclonal Antibody | anti-UCP2 antibody

UCP2 Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                              |
|-----------|--------|-------------------|-------------------------------------------|
| AAA173303 | Rabbit | Human, Mouse, Rat | Immunohistochemistry, Western Blot, ELISA |

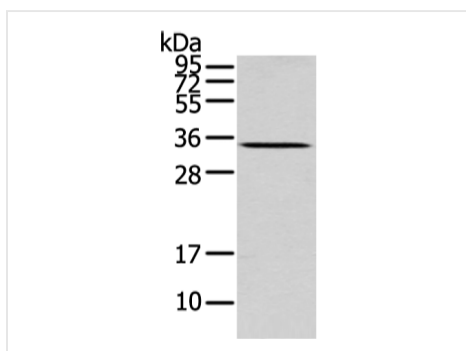
### PRODUCT SYNONYMS

UCP2; Polyclonal Antibody; UCP2 Polyclonal Antibody; UCPH; BMIQ4; SLC25A8; anti-UCP2 antibody

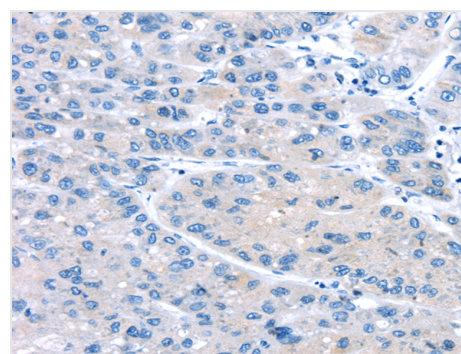
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                  |
|------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                           |
| Reactivity                                     | Human, Mouse, Rat                                                                                |
| Clonality                                      | Polyclonal                                                                                       |
| Isotype                                        | IgG                                                                                              |
| Purity/Purification                            | Antigen Affinity Purification                                                                    |
| Concentration                                  | 5.2mg/ml (varies by lot)                                                                         |
| Sequence Length                                | 309                                                                                              |
| Applicable Applications for anti-UCP2 antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                             |
| Immunogen                                      | Synthetic peptide of human UCP2                                                                  |
| Buffer                                         | PBS with 0.05% sodium azide, 50% glycerol, pH7.3                                                 |
| Santa Cruz Alternative                         | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-6526 / sc-6527 / sc-6525 |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze/thaw cycles.                                                 |

### IMAGES


**WB (Western Blot)**

Western Blot analysis of Mouse liver tissue using UCP2 Polyclonal Antibody at dilution of 1/200


**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded Human liver cancer using UCP2 Polyclonal Antibody at dilution of 1/20

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-UCP2 antibody | Mitochondrial uncoupling proteins (UCP) are members of the larger family of mitochondrial anion carrier proteins (MACP). UCPs separate oxidative phosphorylation from ATP synthesis with energy dissipated as heat, also referred to as the mitochondrial proton leak. UCPs facilitate the transfer of anions from the inner to the outer mitochondrial membrane and the return transfer of protons from the outer to the inner mitochondrial membrane. They also reduce the mitochondrial membrane potential in mammalian cells. |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                    |
|----------------------------------|------------------------------------|
| NCBI GI #                        | 1877474                            |
| NCBI GeneID                      | 7351                               |
| Molecular Weight                 | 33 kDa                             |
| NCBI Official Full Name          | UCP2                               |
| NCBI Official Synonym Full Names | uncoupling protein 2               |
| NCBI Official Symbol             | UCP2                               |
| NCBI Official Synonym Symbols    | UCPH; BMIQ4; SLC25A8               |
| NCBI Protein Information         | mitochondrial uncoupling protein 2 |
| UniProt Protein Name             | Mitochondrial uncoupling protein 2 |
| UniProt Gene Name                | UCP2                               |
| UniProt Synonym Gene Names       | SLC25A8; UCP 2                     |
| UniProt Entry Name               | UCP2_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.