

## Rabbit anti-Human, Mouse Mitochondrial brown fat uncoupling protein 1 Polyclonal Antibody | anti-UCP1 antibody

Rabbit anti-human Mitochondrial brown fat uncoupling protein 1 polyclonal Antibody(UCP1)

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                              |
|-----------|--------|--------------|-------------------------------------------|
| AAA119682 | Rabbit | Human, Mouse | Immunohistochemistry, Western Blot, ELISA |

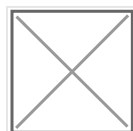
### PRODUCT SYNONYMS

Mitochondrial brown fat uncoupling protein 1; Polyclonal Antibody; Rabbit anti-human Mitochondrial brown fat uncoupling protein 1 polyclonal Antibody(UCP1); UCP 1; Solute carrier family 25 member 7; Thermogenin; UCP1; SLC25A7; UCP; anti-UCP1 antibody

### PRODUCT SPECIFICATIONS

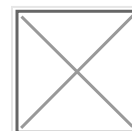
|                                                |                                                                                                   |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                            |
| Reactivity                                     | Human, Mouse                                                                                      |
| Clonality                                      | Polyclonal                                                                                        |
| Isotype                                        | IgG                                                                                               |
| Purity/Purification                            | Antigen Affinity Purified                                                                         |
| Form/Format                                    | Liquid                                                                                            |
| Sequence Length                                | 307                                                                                               |
| Applicable Applications for anti-UCP1 antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                              |
| Buffer                                         | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                 |
| Conjugate                                      | Non-conjugated                                                                                    |
| Immunogen                                      | Recombinant human Mitochondrial brown fat uncoupling protein 1 protein (1-307aa)                  |
| Santa Cruz Alternative                         | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-6528 / sc-6529 / sc-28766 |
| Species                                        | Human                                                                                             |
| Research Area                                  | Signal Transduction                                                                               |
| Target Names                                   | UCP1                                                                                              |
| Preparation and Storage                        | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.                                     |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human testis using AAA119682 at dilution 1:100



#### WB (Western Blot)

All lanes: Mitochondrial brown fat uncoupling protein 1 antibody at 2ug/ml+mouse kidney tissueSecondaryGoat polyclonal to rabbit at 1/10000 dilutionPredicted band size: 33kDaObserved band size: 33kDa

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                   |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-UCP1 antibody | UCP are mitochondrial transporter proteins that create proton leaks across the inner mitochondrial membrane, thus uncoupling oxidative phosphorylation from ATP synthesis. As a result, energy is dissipated in the form of heat. |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                      |
|----------------------------------|------------------------------------------------------|
| NCBI GI #                        | 11225256                                             |
| NCBI GeneID                      | 7350                                                 |
| NCBI Accession #                 | NP_068605.1                                          |
| NCBI GenBank Nucleotide #        | NM_021833.4                                          |
| UniProt Accession #              | P25874; Q13218; Q4KMZ3; Q68G66                       |
| NCBI Official Full Name          | mitochondrial brown fat uncoupling protein 1         |
| NCBI Official Synonym Full Names | uncoupling protein 1 (mitochondrial, proton carrier) |
| NCBI Official Symbol             | UCP1                                                 |
| NCBI Official Synonym Symbols    | UCP; SLC25A7                                         |
| NCBI Protein Information         | mitochondrial brown fat uncoupling protein 1         |
| UniProt Protein Name             | Mitochondrial brown fat uncoupling protein 1         |
| UniProt Gene Name                | UCP1                                                 |
| UniProt Synonym Gene Names       | SLC25A7; UCP; UCP 1                                  |
| UniProt Entry Name               | UCP1_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.