

## Rabbit anti-Mouse, Rat Uncoupling Protein 1 Polyclonal Antibody | anti-UCP1 antibody

Polyclonal Antibody to Uncoupling Protein 1, Mitochondrial (UCP1)

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                   |
|-----------|--------|------------|----------------------------------------------------------------|
| AAA143928 | Rabbit | Mouse, Rat | ELISA, Immunohistochemistry, Immunocytochemistry, Western Blot |

### PRODUCT SYNONYMS

Uncoupling Protein 1; Polyclonal Antibody; Polyclonal Antibody to Uncoupling Protein 1; Mitochondrial (UCP1); anti-UCP1 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Reactivity                                     | Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Specificity                                    | The antibody is a rabbit polyclonal antibody raised against UCP1. It has been selected for its ability to recognize UCP1 in immunohistochemical staining and western blotting.                                                                                                                                                                                                                                                                                                                                                                                                          |
| Purity/Purification                            | Affinity Chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Form/Format                                    | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Concentration                                  | 500ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Sequence                                       | Antigen: The target protein is fused with a C-terminal tag, His-tag and GST-tag and its sequence is listed below.<br>MSPI LGYWKIKGLV QPTRLLEYL EEKYEELHYE RDEGDKWRNK KFELGLEFPN LPYYIDGDVK LTQSMAIIRY<br>IADKHNMLGG CPKERAISM LEGAVLDIRY GVSRIAYSKD FETLKVDFLS KLPEMLKMF E DRLCHKTYLN<br>GDHVTHPDFM LYDALDVVLY MDPMCDAFP KLVCFKKRIE AIPQIDKYLK SSKYIAWPLQ GWQATFGGGD<br>HPPKSDGSTS GSGHHHHHHS AGLVPRGSTA IGMKETAAK FERQHMDSPD LGTLEVLFGG PLGSEF-PNL<br>MRNVIINCTE LVTYDLMKGA LVNHHILADD VPCHLLSALV AGFCTLLAS PVDVVKTRFI NSLPGQYPSV<br>PSCAMTMYTK EGPAAFFKGF APSFLRLGSW NVIMFVCFEQ LKKEK |
| Applicable Applications for anti-UCP1 antibody | ELISA, IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Fragment                                       | UCP1 (Pro179~Leu296)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Organism Species                               | Rattus norvegicus (Rat)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Cross Reactivity                               | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Conjugate                                      | No Conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Immunogen                                      | Recombinant UCP1 (Pro179~Leu296) expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Conjugated Antibody                            | The APC conjugated antibody version of this item is also available as                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Preparation and Storage                        | Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                           |

IMAGES



IHC (Immunohiostchemistry)  
DABstainingonIHC-P.Samples:RatTissue



WB (Western Blot)  
Western Blot: Sample: Recombinant protein.

NCBI AND UNIPROT INFORMATION

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| NCBI GI #                        | 6981692                                      |
| NCBI GeneID                      | 24860                                        |
| NCBI Accession #                 | NP_036814.1                                  |
| NCBI GenBank Nucleotide #        | NM_012682.2                                  |
| UniProt Accession #              | P04633                                       |
| Molecular Weight                 | 33,212 Da                                    |
| NCBI Official Full Name          | mitochondrial brown fat uncoupling protein 1 |
| NCBI Official Synonym Full Names | uncoupling protein 1                         |
| NCBI Official Symbol             | Ucp1                                         |
| NCBI Official Synonym Symbols    | Ucp; Ucpa; Uncp                              |
| 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       | UCP 1Curated                                 |

**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.