

A13834

Leader in Biomolecular Solutions for Life Science



## SLC25A27 Rabbit pAb

Catalog No.: A13834

### Basic Information

**Observed MW**

36kDa

**Calculated MW**

36kDa

**Category**

Polyclonal Antibody

**Applications**

WB,IF/ICC,ELISA

**Cross-Reactivity**

Mouse,Rat

### Background

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. Tissue specificity occurs for the different UCPs and the exact methods of how UCPs transfer H<sup>+</sup>/OH<sup>-</sup> are not known. UCPs contain the three homologous protein domains of MACPs. Transcripts of this gene are only detected in brain tissue and are specifically modulated by various environmental conditions. Alternative splicing results in multiple transcript variants.

### Recommended Dilutions

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200

### Immunogen Information

**Gene ID**

9481

**Swiss Prot**

O95847

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 1-245 of human SLC25A27 (NP\_001190981.1).

**Synonyms**

UCP4; SLC25A27

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

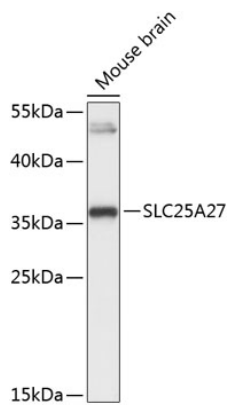
**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

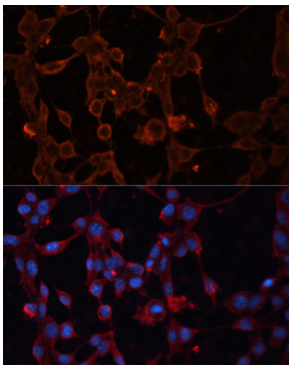
Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data

---



Western blot analysis of lysates from mouse brain, using SLC25A27 Rabbit pAb (A13834) at 1:3000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30s.



Immunofluorescence analysis of NIH/3T3 cells using SLC25A27 Rabbit pAb (A13834) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.