

SLC25A27 Polyclonal Antibody

Catalog No. E-AB-17920

Note: Centrifuge before opening to ensure complete recovery of vial contents.

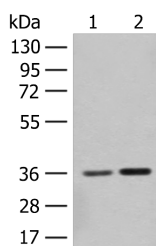
Description

| | |
|---------------------|---|
| Reactivity | Human, Mouse, Rat |
| Immunogen | Synthetic peptide of human SLC25A27 |
| Host | Rabbit |
| Isotype | IgG |
| Purification | Antigen affinity purification |
| Conjugation | Unconjugated |
| Buffer | PBS with 0.05% NaN ₃ and 40% Glycerol, pH7.4 |

Applications Recommended Dilution

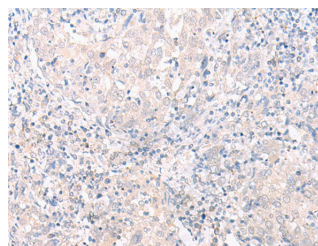
| | |
|------------|--------------|
| WB | 1:500-1:2000 |
| IHC | 1:20-1:100 |

Data



Western blot analysis of Mouse brain tissue and Rat brain tissue lysates using SLC25A27 Polyclonal Antibody at dilution of 1:350

Observed Mw: Refer to figures
Calculated Mw: 36 kDa



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using SLC25A27 Polyclonal Antibody at dilution of 1:30 (x200)

Preparation & Storage

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

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⁺/OH⁻ 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.

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