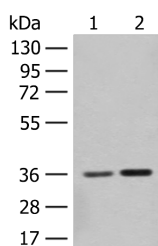


SLC25A27 Polyclonal Antibody

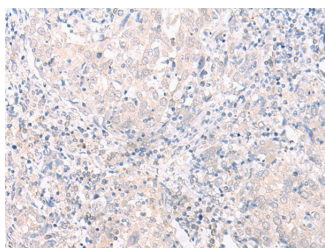
| | | | |
|---------------------|---------------------------------------------|-------------------|--------|
| Catalog No. | E-AB-17920 | Reactivity | H,M,R |
| Storage | Store at -20°C. Avoid freeze / thaw cycles. | Host | Rabbit |
| Applications | WB,IHC,ELISA | Isotype | IgG |

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

Images



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



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using SLC25A27 Polyclonal Antibody at dilution of 1:30(×200)

Immunogen Information

| | |
|-----------------------|----------------------------------------------------------------------------------------------------------------|
| Immunogen | Synthetic peptide of human SLC25A27 |
| Gene Accession | NP004268 |
| Swissprot | O95847 |
| Synonyms | Mitochondrial uncoupling protein 4,SLC25A27,Solute carrier family 25 member 27,UCP 4,UCP4,Uncoupling protein 4 |

Product Information

| | |
|----------------------|--------------------------------------------------------|
| Calculated MW | 36 kDa |
| Observed MW | Refer to figures |
| Buffer | PBS with 0.05% NaN ₃ and 40% Glycerol,pH7.4 |
| Purify | Antigen affinity purification |
| Dilution | WB 1:500-1:2000, IHC 1:20-1:100, ELISA 1:5000-1:10000 |

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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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.