SLC25A27 Polyclonal Antibody

Catalog Number:E-AB-66143

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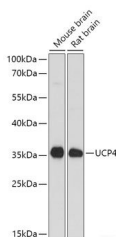
Description

Reactivity	Human,Mouse,Rat
Immunogen	Recombinant fusion protein of human SLC25A27 (NP_001190981.1).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Applications

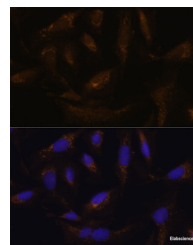| Applications	Recommended Dilution
WB	1:500-1:2000
IF	1:50-1:200

Data

Western blot analysis of extracts of various cell lines using SLC25A27 Polyclonal Antibody at dilution of 1:1000.
Observed Mw:36kDa
Calculated Mw:27kDa/36kDa

Immunofluorescence analysis of U-2 OS cells using SLC25A27 Polyclonal Antibody at dilution of 1:100.
Blue: DAPI for nuclear staining.

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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