

SLC25A14 Rabbit pAb

Catalog No.: A13731 **1 Publications**

Basic Information

Observed MW

36kDa

Calculated MW

36kDa

Category

Primary antibody

Applications

WB, ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

Mitochondrial uncoupling proteins (UCP) are members of the larger family of mitochondrial anion carrier proteins (MACP). Uncoupling proteins separate oxidative phosphorylation from ATP synthesis with energy dissipated as heat, also referred to as the mitochondrial proton leak. Uncoupling proteins 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. This gene is widely expressed in many tissues with the greatest abundance in brain and testis. Alternative splicing results in multiple transcript variants. A pseudogene of this gene has been defined on chromosome 4.

Recommended Dilutions

WB 1:500 - 1:2000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

9016

Swiss Prot

O95258

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

UCP5; BMCP1; SLC25A14

Contact

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Product Information

Source

Rabbit

Isotype

IgG

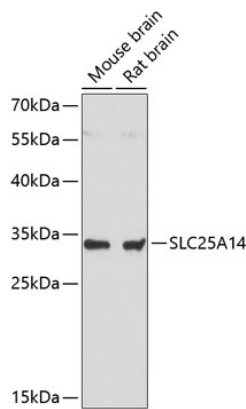
Purification

Affinity purification

Storage

Store at -20°C

Validation Data



Western blot analysis of various lysates using SLC25A14 Rabbit pAb (A13731) at 1:3000 dilution. Secondary antibody: HRP-conjugated 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: 90s.