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# anti-SLC25A14 antibody





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#### Overview

Quantity:	200 μL
Target:	SLC25A14
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC25A14 antibody is un-conjugated
Application:	Western Blotting (WB)

#### **Product Details**

Immunogen:	Recombinant fusion protein of human SLC25A14 (NP_001269124.1).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

## **Target Details**

Target:	SLC25A14
Alternative Name:	SLC25A14 (SLC25A14 Products)
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

## **Target Details**

	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.
Molecular Weight:	Observed_MW: 36 kDa
	Calculated_MW: 35 kDa/36 kDa/39 kDa
Gene ID:	9016
UniProt:	095258

## Application Details

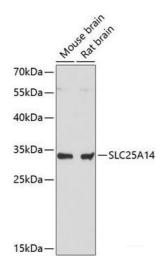
Application Notes:	WB 1:500-1:2000
Restrictions:	For Research Use only

**Proton Transport** 

## Handling

Pathways:

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



#### **Western Blotting**

**Image 1.** Western blot analysis of extracts of various cell lines using SLC25A14 Polyclonal Antibody at dilution of 1:3000.