

Datasheet for ABIN2781596  
**anti-SLC25A14 antibody (N-Term)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	SLC25A14
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Horse, Rabbit, Cow, Zebrafish (Danio rerio), Guinea Pig, Saccharomyces cerevisiae, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC25A14 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human SLC25A14
Sequence:	SIVAEFGTFP VDLTKTRLQV QGQSIDARFK EIKYRGMFHA LFRICKEEGV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Yeast: 79%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against SLC25A14. It was validated on Western Blot.
Purification:	Protein A purified

## Target Details

Target:	SLC25A14
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## Target Details

Alternative Name:	SLC25A14 ( <a href="#">SLC25A14 Products</a> )
Background:	<p>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<sup>+</sup>/OH<sup>-</sup> are not known. UCPs contain the three homologous protein domains of MACPs. SLC25A14 has an N-terminal hydrophobic domain that is not present in other UCPs.</p> <p>Alias Symbols: UCP5, BMCP1</p> <p>Protein Size: 198</p>
Molecular Weight:	21 kDa
Gene ID:	9016
NCBI Accession:	<a href="#">NM_003951</a>
UniProt:	<a href="#">Q5JY88</a>
Pathways:	<a href="#">Proton Transport</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 198 AA
Restrictions:	For Research Use only

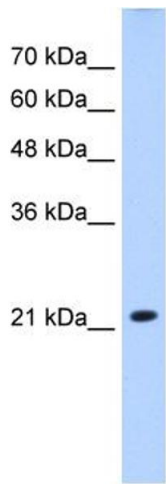
## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Validation report #100008 for Western Blotting (WB)



Western Blotting

**Image 1.** WB Suggested Anti-SLC25A14 Antibody Titration: 2.5ug/ml Positive Control: Jurkat cell lysate SLC25A14 is supported by BioGPS gene expression data to be expressed in Jurkat