

Datasheet for ABIN6147924
anti-SLC25A27 antibody (AA 1-245)

2 Images

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Overview

Quantity:	100 µL
Target:	SLC25A27
Binding Specificity:	AA 1-245
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC25A27 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-245 of human SLC25A27 (NP_001190981.1).
Sequence:	MSVPEEEERL LPLTQRWPRA SKFLLSGCAA TVAELATFPL DLTCTRLQMQ GEAALARLGD GARESAPYRG MVRTALGIE EEGFLKLWQG VTPAIYRHVV YSGGRMVTYE HLREVVFGKS EDEHYPLWKS VIGGMMAGVI GQFLANPTDL VKVQMOMEK RKLEGKPLRF RGVHHFAFI LAEGGIRGLW AGWVPNIQRA ALVNMGDLTT YDTVKHLYVL NTPLEDNIMT HGLSSDLVGS HKAIQ
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

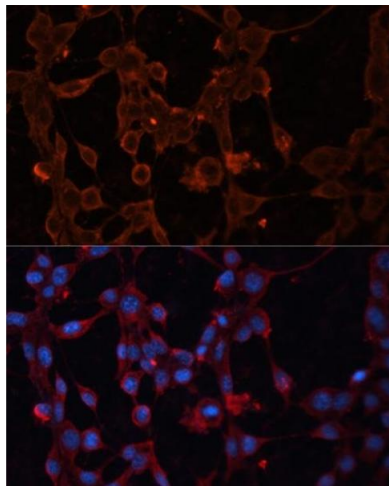
Target:	SLC25A27
Alternative Name:	SLC25A27 (SLC25A27 Products)
Background:	<p>Mitochondrial uncoupling proteins (UCP) are members of the larger family of mitochondrial anion carrier proteins (MACP). UCPs separate oxidative phosphorylation from ATP synthesis with energy dissipated as heat, also referred 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⁺/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.,SLC25A27,UCP4,Signal Transduction,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial markers,SLC25A27</p>
Molecular Weight:	27 kDa/36 kDa
Gene ID:	9481
UniProt:	O95847

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

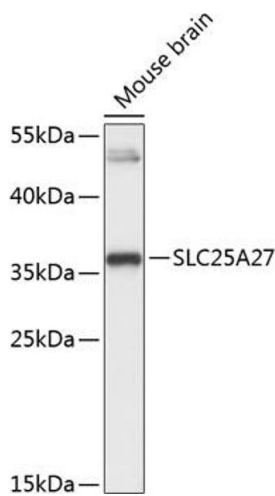
Handling

Format:	Liquid
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.



Immunofluorescence

Image 1. Immunofluorescence analysis of NIH/3T3 cells using SLC25 antibody (ABIN6132766, ABIN6147924, ABIN6147926 and ABIN6217967) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of mouse brain, using SLC25 Antibody (ABIN6132766, ABIN6147924, ABIN6147926 and ABIN6217967) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.