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Slc25a27 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12339

Product Information

Application	WB
Primary Accession	Q9D6D0
Other Accession	NM_028711, NP_082987
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine, Sheep
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35798

Additional Information

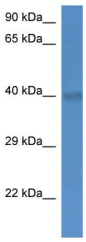
Gene ID	74011
Alias Symbol	3632410G24Rik, 9430092A03Rik, D530043E16Rik, Ucp4
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Slc25a27 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Slc25a27 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Slc25a27 {ECO:0000312|MGI:MGI:1921261}
Function	Facilitates proton transport across the inner mitochondrial membrane and may dissipate excessive proton gradient associated with oxidative and metabolic stress at neuronal synapses. Regulates glutamate-induced proton conductance in astrocytes, shifting the energy metabolism toward aerobic glycolysis and lactate transfer to neurons for ATP synthesis. Can transport chloride ions with lower efficiency. The transport mechanism remains to be elucidated.
Cellular Location	Mitochondrion inner membrane; Multi-pass membrane protein. Cell projection, neuron projection. Note=Localizes to neuronal cell body and processes. Within mitochondrial inner membrane, it is mainly observed in the inner boundary membrane locally separated from F(1)F(0) ATP synthase,

which is preferentially localized in cristae

Images



WB Suggested Anti-Slc25a27 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Brain

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.