

# Product datasheet

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# ARG42751 anti-SLC25A12 antibody

Package: 100 μl Store at: -20°C

## Summary

Product Description Rabbit Polyclonal antibody recognizes SLC25A12

Tested Reactivity Hu, Ms, Rat

Tested Application WB

Host Rabbit

**Clonality** Polyclonal

Isotype IgG

Target Name SLC25A12

Species Human

Immunogen Recombinant fusion protein corresponding to aa. 1-180 of Human SLC25A12 (NP\_003696.2).

Conjugation Un-conjugated

Alternate Names AGC1; ARALAR; Mitochondrial aspartate glutamate carrier 1; Calcium-binding mitochondrial carrier

protein Aralar1; Solute carrier family 25 member 12

### **Application Instructions**

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	U-87MG	
Observed Size	~ 70 kDa	

#### **Properties**

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Gene Symbol SLC25A12

Gene Full Name solute carrier family 25 (aspartate/glutamate carrier), member 12

Background This gene encodes a calcium-binding mitochondrial carrier protein. The encoded protein localizes to the

mitochondria and is involved in the exchange of aspartate for glutamate across the inner mitochondrial membrane. Polymorphisms in this gene may be associated with autism, and mutations in this gene may also be a cause of global cerebral hypomyelination. Alternatively spliced transcript variants have been

observed for this gene. [provided by RefSeq, Apr 2012]

Function Mitochondrial and calcium-binding carrier that catalyzes the calcium-dependent exchange of

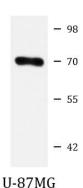
cytoplasmic glutamate with mitochondrial aspartate across the mitochondrial inner membrane (PubMed:11566871, PubMed:25410934). May have a function in the urea cycle (PubMed:11566871).

[UniProt]

Calculated Mw 75 kDa

Cellular Localization Mitochondrion inner membrane; Multi-pass membrane protein. [UniProt]

#### **Images**



#### ARG42751 anti-SLC25A12 antibody WB image

Western blot: 25  $\mu g$  of U-87MG cell lysate stained with ARG42751 anti-SLC25A12 antibody at 1:3000 dilution.