

ARG58253 anti-SLC25A5 / ANT2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SLC25A5 / ANT2
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Specificity	The antibody might also react to ANT1 (86%), ANT3 (92%) and ANT4 (71%) based on sequence homology analysis.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SLC25A5 / ANT2
Species	Human
Immunogen	Synthetic peptide corresponding to a sequence within aa. 150-250 of Human SLC25A5 (NP_001143.2).
Conjugation	Un-conjugated
Alternate Names	2F1; T2; T3; ANT2; ADP/ATP translocase 2; Solute carrier family 25 member 5; AAC2; ANT 2; Adenine nucleotide translocator 2; ADP,ATP carrier protein 2; ADP,ATP carrier protein, fibroblast isoform

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:100
	IHC-P	1:50 - 1:100
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	LO2	
Observed Size	33 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	SLC25A5
Gene Full Name	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5
Background	This gene is a member of the mitochondrial carrier subfamily of solute carrier protein genes. The product of this gene functions as a gated pore that translocates ADP from the cytoplasm into the mitochondrial matrix and ATP from the mitochondrial matrix into the cytoplasm. The protein forms a homodimer embedded in the inner mitochondria membrane. Suppressed expression of this gene has been shown to induce apoptosis and inhibit tumor growth. The human genome contains several non-transcribed pseudogenes of this gene.[provided by RefSeq, Jun 2013]
Function	Catalyzes the exchange of cytoplasmic ADP with mitochondrial ATP across the mitochondrial inner membrane. As part of the mitotic spindle-associated MMXD complex it may play a role in chromosome segregation. [UniProt]
Calculated Mw	33 kDa
Cellular Localization	Mitochondrion inner membrane, Multi-pass membrane protein. [UniProt]

Images



ARG58253 anti-SLC25A5 / ANT2 antibody WB image

Western blot: 25 µg of LO2 cell lysate stained with ARG58253 anti-SLC25A5 / ANT2 antibody at 1:1000 dilution.