SLC25A5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SLC25A5, Polyclonal Antibody
Full Product Name	SLC25A5 Conjugated Antibody
Product Gene Name	anti-SLC25A5 antibody
Product Synonym Names	SLC25A5; AAC2; 2F1; ANT 2; ADP/ATP carrier protein; ADP/ATP translocase 2; ADP; ATP carrier protein 2; ATP/ADP translocator isoform-2; T3; ANT2; T2
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	SLC25A5 antibody detects endogenous levels of total SLC25A5
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	32,852 Da
3D Structure	ModBase 3D Structure for P05141
Immunogen	A synthesized peptide derived from human SLC25A5
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-SLC25A5 antibody	Most Applications
Application Notes for anti-SLC25A5 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-SLC25A5 antibody	MBS9453706 is an antibody targeting SLC25A5. Also known as SLC25A5 Conjugated Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-SLC25A5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC25A5. It may not necessarily be applicable to this product.

NCBI GI #	156071459
NCBI GeneID	292

NCBI Accession #	NP_001143.2
UniProt Primary Accession #	P05141
UniProt Secondary Accession #	O43350; B2RCV1
UniProt Related Accession #	P05141
GenBank Nucleotide #	NM_001152.4
NCBI Official Full Name	ADP/ATP translocase 2
NCBI Official Synonym Full Names	solute carrier family 25 member 5
NCBI Official Symbol	SLC25A5
NCBI Official Synonym Symbols	T2; T3; 2F1; AAC2; ANT2
UniProt Protein Name	ADP/ATP translocase 2
UniProt Synonym Protein Names	ADP,ATP carrier protein 2; ADP,ATP carrier protein, fibroblast isoform; Adenine nucleotide translocator 2; ANT 2
Protein Family	ADP/ATP translocase
UniProt Gene Name	SLC25A5
UniProt Synonym Gene Names	ANT2; ANT 2
NCBI Protein Information	ADP/ATP translocase 2
NCBI Summary for SLC25A5	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]
UniProt Comments for SLC25A5	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.
Research Articles on SLC25A5	**1.** Findings suggest that ANT2 overexpression contributes to EGFR-TKI resistance in non-small cell lung cancer.
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