



Anti-SLC25A4 (full length) polyclonal antibody (DPAB-DC1469)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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. Mutations in this gene have been shown to result in autosomal dominant progressive external ophthalmoplegia and familial hypertrophic cardiomyopathy.
Immunogen	SLC25A4 (AAH08664.1, 1 a.a. ~ 298 a.a) full-length recombinant protein with GST tag. The sequence is MGDHAWSFLKDFLAGGVAAAVSKTAVAPIERVKLLLQVQHASRQISAQKQYKGIIDCVVR IPKEQGFLSFWRGNLQVIRYFPTQALNFAFKDKYKQLFLGGVDRHKQFWRYFAGNLASG GAAGATSLCFVYPLDFARTRLAADVKGAAQREFHGLGDCIIKIFKSDGLRGLYQGFNVS VQGIIYRAAYFGVYDTAKGMLPDPKNVHIFVSWMIAQSVTAVAGLVSYFPDTVRRRMM QSGRKKGADIMYTGTVDWRKIAKDEGAKAFFKGAWSNVLRGGMGGAFVLVYDEIKKYV
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	SLC25A4 solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4 [Homo sapiens (human)]
Official Symbol	SLC25A4
Synonyms	SLC25A4; solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4; 1; T1; ANT; AAC1; ANT1; PEO2; PEO3; ANT 1; MTDPS12; ADP/ATP translocase 1; ADP,ATP carrier protein 1; solute carrier family 25 member 4; heart/skeletal muscle ATP/ADP translocator; ADP,ATP carrier protein, heart/skeletal muscle; adenine nucleotide translocator 1 (skeletal muscle);
Entrez Gene ID	291
Protein Refseq	NP_001142
UniProt ID	P12235
Chromosome Location	4q35
Pathway	Calcium signaling pathway; Disease; HIV Infection; HTLV-I infection
Function	adenine transmembrane transporter activity; protein binding;