

SLC25A12 Rabbit mAb

Catalog # AP76091

Product Information

Application	WB, IP
Primary Accession	O75746
Reactivity	Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	74762

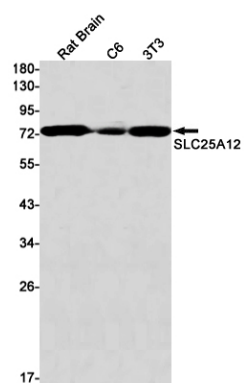
Additional Information

Gene ID	8604
Other Names	SLC25A12
Dilution	WB~~1/500-1/1000 IP~~N/A
Format	Liquid

Protein Information

Name	SLC25A12 (HGNC:10982)
Function	Mitochondrial electrogenic aspartate/glutamate antiporter that favors efflux of aspartate and entry of glutamate and proton within the mitochondria as part of the malate-aspartate shuttle (PubMed: 11566871 , PubMed: 19641205 , PubMed: 24515575 , PubMed: 38945283). Also mediates the uptake of L-cysteinesulfinatate (3-sulfinat-L-alanine) by mitochondria in exchange of L-glutamate and proton (PubMed: 11566871). Can also exchange L-cysteinesulfinatate with aspartate in their anionic form without any proton translocation (PubMed: 11566871). Lacks transport activity towards L-glutamine or gamma-aminobutyric acid (GABA) (PubMed: 38945283).
Cellular Location	Mitochondrion inner membrane; Multi-pass membrane protein
Tissue Location	Expressed predominantly in the heart and skeletal muscle, weakly in brain and kidney.

Images



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