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Selenoprotein O Rabbit pAb

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Catalog # AP57605

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9BVL4
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	73489
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Selenoprotein O
Epitope Specificity	301-400/669
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a selenoprotein, which contains a selenocysteine (Sec) residue at its active site. The selenocysteine is encoded by the UGA codon that normally signals translation termination. The 3' UTR of selenoprotein genes have a common stem-loop structure, the sec insertion sequence (SECIS), that is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	83642
Other Names	Protein adenylyltransferase SelO, mitochondrial, 2.7.7.-, 2.7.7.108, Selenoprotein O, SelO, SELENOO (HGNC:30395)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SELENOO (HGNC:30395)
Function	Catalyzes the transfer of adenosine 5'-monophosphate (AMP) to Ser, Thr and

Tyr residues of target proteins (AMPylation) (PubMed:30270044). May be a redox-active mitochondrial selenoprotein which interacts with a redox target protein (PubMed:24751718).

Cellular Location Mitochondrion.

Background

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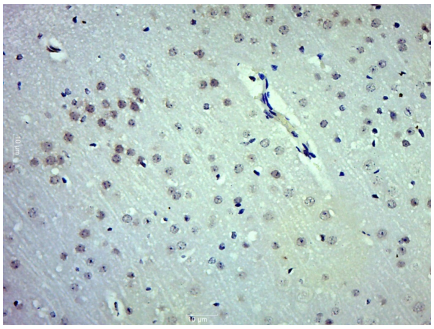
Images



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Selenoprotein O) Polyclonal Antibody, Unconjugated (AP57605) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.