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SELT/Selenoprotein T Rabbit pAb

Catalog # AP96883

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P62341
Other Accession	P62341
Predicted	Rat, Human, Mouse, Rabbit, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22324
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SELT/Selenoprotein T
Epitope Specificity	1-100/195
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
SIMILARITY	Belongs to the SelWTH family. SELT subfamily.
Post-translational modifications	May contain a selenide-sulfide bond between Cys-46 and Sec-49. This bond is speculated to serve as redox active pair.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	51714
Other Names	SELT; 2810407C02Rik; 5730408P04Rik; SELT_CHICK; SELENOT; 1.8.1.9; SELT_BOVIN; SELT_HUMAN; SELT_MOUSE; SELT_RAT; selenoprotein T
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=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	SELENOT {ECO:0000303|PubMed:27645994, ECO:0000312|HGNC:HGNC:18136}
Function	Selenoprotein with thioredoxin reductase-like oxidoreductase activity (By similarity). Protects dopaminergic neurons against oxidative stress and cell death (PubMed:26866473). Involved in ADCYAP1/PACAP-induced calcium mobilization and neuroendocrine secretion (By similarity). Plays a role in

	fibroblast anchorage and redox regulation (By similarity). In gastric smooth muscle, modulates the contraction processes through the regulation of calcium release and MYLK activation (By similarity). In pancreatic islets, involved in the control of glucose homeostasis, contributes to prolonged ADCYAP1/PACAP- induced insulin secretion (By similarity).
Cellular Location	Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q1H5H1}; Single-pass membrane protein
Tissue Location	Ubiquitous. Highly expressed in the endocrine pancreas.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.