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Selenoprotein M Rabbit pAb

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Catalog # AP57604

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8WWX9
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	16232
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Selenoprotein M
Epitope Specificity	24-100/145
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm; perinuclear region. Endoplasmic reticulum Probable. Golgi apparatus Probable. Note: Localized to perinuclear structures corresponding to Golgi and endoplasmic reticulum.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Selenoprotein M is widely expressed and expressed highly in the mammalian brain. It is localized to the perinuclear structures (Golgi/ER). A growing body of evidence relates selenium to cancer prevention, immune system function, male fertility, cardiovascular disorder, control of the aging and neurodiseases process. Selenoproteins are thought to be responsible for the majority of these biomedical effects of selenium. Approximately 17 selenoproteins have been identified until now. Although the function of many selenoproteins are unknown, some play important roles in antioxidant mechanisms. It has been also implicated in the regulation of signaling pathways through catalysis of thiol/disulfide exchange. The roles of Selenoprotein M have not been clearly identified until present time.

Additional Information

Gene ID	140606
Other Names	Selenoprotein M, SelM, SELENOM {ECO:0000303|PubMed:27645994, ECO:0000312|HGNC:HGNC:30397}
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	SELENOM {ECO:0000303|PubMed:27645994, ECO:0000312|HGNC:HGNC:30397}
Function	May function as a thiol-disulfide oxidoreductase that participates in disulfide bond formation.
Cellular Location	Cytoplasm, perinuclear region. Endoplasmic reticulum. Golgi apparatus. Note=Localized to perinuclear structures corresponding to Golgi and endoplasmic reticulum
Tissue Location	Widely expressed..

Background

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