

OSGEPL1 Antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI15522

Product Information

Application	WB
Primary Accession	Q9H4B0
Other Accession	NM_022353 , NP_071748
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45123

Additional Information

Gene ID	64172
Alias Symbol	Qri7
Other Names	Probable tRNA N6-adenosine threonylcarbamoyltransferase, mitochondrial {ECO:0000255 HAMAP-Rule:MF_03179}, 2.6.99.4, N6-L-threonylcarbamoyladenine synthase, t(6)A synthase, O-sialoglycoprotein endopeptidase-like protein 1 {ECO:0000255 HAMAP-Rule:MF_03179}, t(6)A37 threonylcarbamoyladenine biosynthesis protein OSGEPL1 {ECO:0000255 HAMAP-Rule:MF_03179}, tRNA threonylcarbamoyladenine biosynthesis protein OSGEPL1 {ECO:0000255 HAMAP-Rule:MF_03179}, OSGEPL1 {ECO:0000255 HAMAP-Rule:MF_03179}, GCP1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-OSGEPL1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	OSGEPL1 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	OSGEPL1 {ECO:0000255 HAMAP-Rule:MF_03179}
Synonyms	GCP1
Function	Required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t(6)A37) in mitochondrial tRNAs that read codons beginning with

adenine. Probably involved in the transfer of the threonylcarbamoyl moiety of threonylcarbamoyl-AMP (TC-AMP) to the N6 group of A37. Involved in mitochondrial genome maintenance.

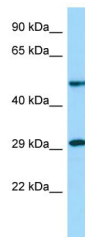
Cellular Location

Mitochondrion {ECO:0000255 | HAMAP-Rule:MF_03179, ECO:0000269 | PubMed:19694617, ECO:0000269 | PubMed:29760464}

Tissue Location

Widely expressed, with maximum expression in pituitary gland, prostate, rectum and uterus

Images



Host: Rabbit
Target Name: OSGEPL1
Sample Tissue: MCF7 Whole cell lysate
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Antibody Dilution: 1.0µg/ml

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