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BOLA1 Rabbit pAb

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Catalog # AP58998

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9Y3E2
Predicted	Rat, Pig, Human, Mouse, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	14289
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human BOLA1
Epitope Specificity	1-100/137
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	Secreted. Could be secreted via a non-classical export pathway.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	BOLA1 (BolA-like protein 1), also known as CGI-143, is a member of the BolA/yrbA family of proteins. Members of this family are homologs of the Escherichia coli protein, BolA. BolA-like proteins are evolutionarily conserved from prokaryotes to eukaryotes and are believed to play a role in cell-cycle regulation or cell proliferation possibly via some sort of transcription regulation of other genes. In addition, BolA-like proteins may contain nucleic-acid binding properties, as is suggested by a fold structure that is similar to the KH-fold, a motif known to participate in nucleic-acid binding. Characteristic of BolA-like proteins which typically consist of approximately 100 amino acids, BOLA1 is a 137 amino acid protein.

Additional Information

Gene ID	51027
Other Names	BolA-like protein 1, hBolA, BOLA1 (HGNC:24263)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=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	BOLA1 (HGNC:24263)
Function	Acts as a mitochondrial iron-sulfur (Fe-S) cluster assembly factor that facilitates (Fe-S) cluster insertion into a subset of mitochondrial proteins (By similarity). Probably acts together with the monothiol glutaredoxin GLRX5 (PubMed:27532772). May protect cells against oxidative stress (PubMed:22746225).
Cellular Location	Mitochondrion.
Tissue Location	Widely expressed..

Background

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