

# BOLA1 Rabbit pAb

BOLA1 Rabbit pAb  
Catalog # AP58998

## Product Information

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<b>Application</b>	WB, IHC-P, IHC-F, IF, E
<b>Primary Accession</b>	<a href="#">Q9Y3E2</a>
<b>Predicted</b>	Human, Mouse, Rat, Pig, Rabbit, Sheep
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	14289
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human BOLA1
<b>Epitope Specificity</b>	1-100/137
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Secreted. Could be secreted via a non-classical export pathway.
<b>SIMILARITY</b>	Belongs to the bolA/yrbA family.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	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

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<b>Gene ID</b>	51027
<b>Other Names</b>	BolA-like protein 1, hBolA, BOLA1 ( <a href="#">HGNC:24263</a> )
<b>Target/Specificity</b>	Widely expressed.
<b>Dilution</b>	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
<b>Storage</b>	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

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<b>Name</b>	BOLA1 ( <a href="#">HGNC:24263</a> )
<b>Function</b>	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: <a href="#">27532772</a> ). May protect cells against oxidative stress (PubMed: <a href="#">22746225</a> ).
<b>Cellular Location</b>	Mitochondrion.
<b>Tissue Location</b>	Widely expressed..

## Background

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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.

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