

**BOLA1 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP58998****Specification**

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**BOLA1 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	<a href="#">O9Y3E2</a>
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	14 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human BOLA1
Epitope Specificity	1-100/137
Isotype	IgG
<b>Purity</b>	
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.
SIMILARITY	Belongs to the bolA/yrbA family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Background Descriptions**

BOLA1 (BoIA-like protein 1), also known as CGI-143, is a member of the BoIA/yrbA family of proteins. Members of this family are homologs of the Escherichia coli protein, BoIA. BoIA-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, BoIA-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 BoIA-like proteins which typically consist of approximately 100 amino acids, BOLA1 is a 137 amino acid protein.

**BOLA1 Polyclonal Antibody - Additional Information****Gene ID** 51027**Other Names**

BoIA-like protein 1, hBoIA, BOLA1 (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=24263" target="\_blank">HGNC:24263</a>)

**Target/Specificity**

Widely expressed.

**Dilution**

<span class = "dilution\_WB">WB~~1:1000</span><br \><span class = "dilution\_IHC-P">IHC-P~~N/A</span><br \><span class = "dilution\_IHC-F">IHC-F~~N/A</span><br \><span class = "dilution\_IF">IF~~1:50~200</span><br \><span class = "dilution\_E">E~~N/A</span>

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**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.

**BOLA1 Polyclonal Antibody - 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:<a href="http://www.uniprot.org/citations/27532772" target="\_blank">27532772</a>). May protect cells against oxidative stress (PubMed:<a href="http://www.uniprot.org/citations/22746225" target="\_blank">22746225</a>).

**Cellular Location**

Mitochondrion.

**Tissue Location**

Widely expressed..

**BOLA1 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**BOLA1 Polyclonal Antibody - Images**