

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

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q9Y3E2
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
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.
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 (HGNC:24263)

Target/Specificity

Widely expressed.

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

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:27532772). May protect cells against oxidative stress (PubMed:22746225).

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