

For Research Use Only

# BCS1L Polyclonal antibody

Catalog Number: 10175-2-AP **7 Publications**



## Basic Information

<b>Catalog Number:</b> 10175-2-AP	<b>GenBank Accession Number:</b> BC007500	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 400 µg/ml	<b>GeneID (NCBI):</b> 617	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:20-1:200 IF/ICC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y276	
<b>Isotype:</b> IgG	<b>Full Name:</b> BCS1-like (yeast)	
<b>Immunogen Catalog Number:</b> AG0231	<b>Calculated MW:</b> 48 kDa	
	<b>Observed MW:</b> 50-55 kDa	

## Applications

**Tested Applications:**  
IF/ICC, IHC, WB, ELISA

**Cited Applications:**  
WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB:** A549 cells, HEK-293 cells, HeLa cells, human brain tissue, mouse colon tissue, mouse kidney tissue, mouse liver tissue, mouse skeletal muscle tissue, mouse small intestine tissue, rat liver tissue

**IHC:** human gliomas tissue, human kidney tissue

**IF/ICC:** A549 cells,

## Background Information

Human BCS1-like (BCS1L), a mitochondrial inner-membrane protein, is a chaperone necessary for the assembly of mitochondrial respiratory chain complex III. Recently studies indicated that the mutations in this protein may cause the GRACILE (growth retardation, aminoaciduria, cholestasis, iron overload, lactacidosis, and early death) syndrome, a recessively inherited lethal disease characterized by fetal growth retardation, lactic acidosis, aminoaciduria, cholestasis, and abnormalities in iron metabolism.

## Notable Publications

Author	Pubmed ID	Journal	Application
Mineri Rossana R	19492094	PLoS One	WB
Sánchez Ester E	23168492	Biochim Biophys Acta	WB
Morán María M	20518024	Hum Mutat	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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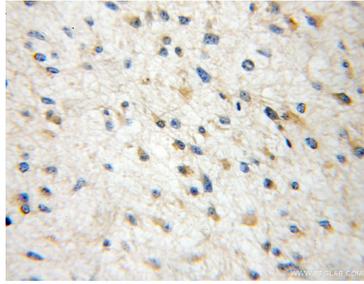
W: ptgcn.com

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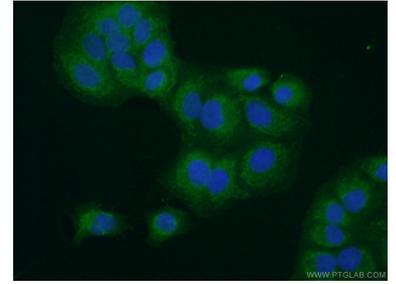
## Selected Validation Data



A549 cells were subjected to SDS PAGE followed by western blot with 10175-2-AP (BCS1L antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas using 10175-2-AP (BCS1L antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of (10% Formaldehyde) fixed A549 cells using 10175-2-AP (BCS1L antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).