

For Research Use Only

BCS1L Monoclonal antibody

Catalog Number: 60212-1-Ig

Featured Product

1 Publications



Basic Information

Catalog Number: 60212-1-Ig	GenBank Accession Number: BC007500	Purification Method: Protein G purification
Size: 150ul , Concentration: 1100 ug/ml by Nanodrop and 860 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 617	CloneNo.: 3G6H1
Source: Mouse	UNIPROT ID: Q9Y276	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200 IF/ICC 1:20-1:200
Isotype: IgG1	Full Name: BCS1-like (yeast)	
Immunogen Catalog Number: AG18280	Calculated MW: 48 kDa	
	Observed MW: 47 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : Colo320 cells, COLO 320 cells, HEK-293 cells
Cited Applications: WB	IHC : human gliomas tissue, human brain tissue, human kidney tissue
Species Specificity: human, mouse	IF/ICC : MCF-7 cells,
Cited Species: mouse	

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

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
Tianyu Ma	40045222	BMC Genomics	WB

Storage

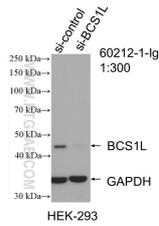
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

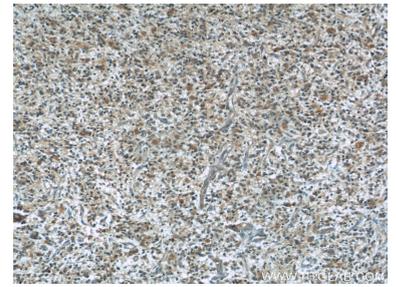
Selected Validation Data



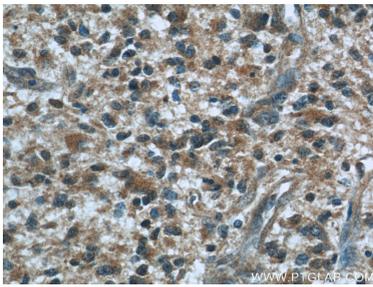
WB result of BCS1L antibody (60212-1-Ig; 1:300; incubated at room temperature for 1.5 hours) with sh-Control and sh-BCS1L transfected HEK-293 cells.



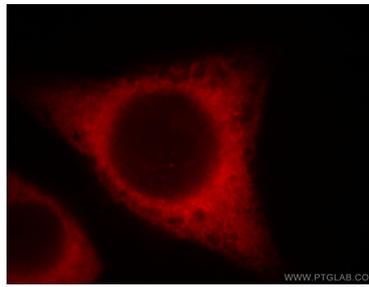
COLO 320 cells were subjected to SDS PAGE followed by western blot with 60212-1-Ig (BCS1L antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas using 60212-1-Ig (BCS1L antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human gliomas using 60212-1-Ig (BCS1L antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of () fixed MCF-7 cells using 60212-1-Ig (BCS1L antibody) at dilution of 1:50 and Rhodamine-Goat anti-Rabbit IgG.