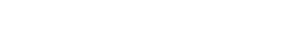
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# Datasheet for ABIN1698497 anti-GCSH antibody (AA 101-173) (Alexa Fluor 647)



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Quantity:	100 μL	
Target:	GCSH	
Binding Specificity:	AA 101-173	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This GCSH antibody is conjugated to Alexa Fluor 647	
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))	

#### **Product Details**

Immunogen:	KLH conjugated synthetic peptide derived from human GCSH
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Horse
Purification:	Purified by Protein A.

## **Target Details**

Target:	GCSH
Alternative Name:	GCSH (GCSH Products)
Background: Synonyms: GCE, GCSH, GCSH_HUMAN, Glycine cleavage system H protein, Glycine clea	

system H protein mitochondrial, Glycine cleavage system protein H aminomethyl carrier,
Glycine cleavage system protein H, Lipoic acid containing protein, mitochondrial, Mitochondrial
glycine cleavage system H protein, NKH.

Background: GCSH is a 173 amino acid mitochondrial protein that contains one lipoyl-binding domain and belongs to the gcvH family. Defects in the gene encoding GCSH are the cause of glycine encephalopathy (GCE), an autosomal recessive disease that is also referred to as non-ketotic hyperglycinemia (NKH). Characterized by severe neurological symptoms, patients with GCE have a large amount of glycine accumulated in their body fluids. The gene encoding GCSH maps to human chromosome 16, which encodes over 900 genes and comprises nearly 3 % of the human genome.

Gene ID:

2653

## **Application Details**

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200

IF(ICC) 1:50-200

Restrictions: For Research Use only

#### Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months