

Datasheet for ABIN6141032
anti-GCSH antibody (AA 1-173)

5 Images

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Overview

Quantity:	100 µL
Target:	GCSH
Binding Specificity:	AA 1-173
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GCSH antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-173 of human GCSH (NP_004474.2).
Sequence:	MALRVVRSVR ALLCTLRAVP SPAAPCPPRP WQLGVGAVRT LRTGPALLSV RKFTEKHEWV TTENGIGTVG ISNFAQEALG DVVYCSLPEV GTKLNKQDEF GALESVKAAS ELYSPLSGEV TEINEALAEN PGLV NKSCYE DGWLIKMTLS NPSELDELMS EEAYEKYIKS IEE
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

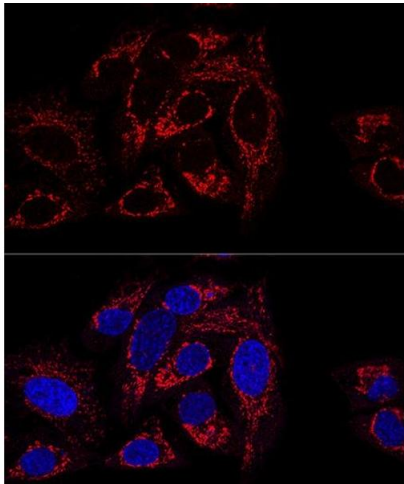
Target:	GCSH
Alternative Name:	GCSH (GCSH Products)
Background:	Degradation of glycine is brought about by the glycine cleavage system, which is composed of four mitochondrial protein components: P protein (a pyridoxal phosphate-dependent glycine decarboxylase), H protein (a lipoic acid-containing protein), T protein (a tetrahydrofolate-requiring enzyme), and L protein (a lipoamide dehydrogenase). The protein encoded by this gene is the H protein, which transfers the methylamine group of glycine from the P protein to the T protein. Defects in this gene are a cause of nonketotic hyperglycinemia (NKH). Two transcript variants, one protein-coding and the other probably not protein-coding, have been found for this gene. Also, several transcribed and non-transcribed pseudogenes of this gene exist throughout the genome. GCSH, GCE, NKH, Cancer, Signal Transduction, Endocrine & Metabolism, Amino acid metabolism, GCSH
Molecular Weight:	18 kDa
Gene ID:	2653
UniProt:	P23434

Application Details

Application Notes:	WB, 1:500 - 1:2000, IF, 1:50 - 1:200
Restrictions:	For Research Use only

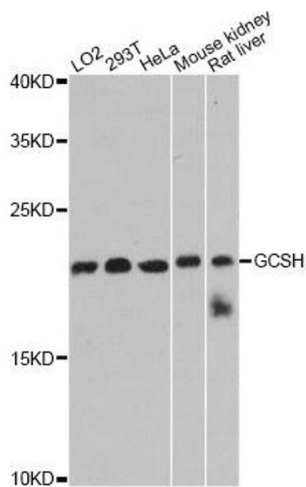
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



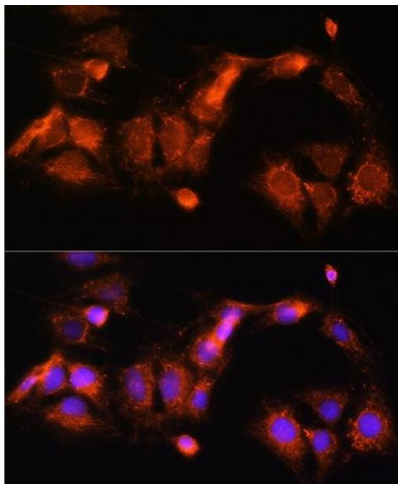
Immunofluorescence

Image 1. Confocal immunofluorescence analysis of U2OS cells using GCSH antibody (ABIN6127983, ABIN6141032, ABIN6141033 and ABIN6217784) at dilution of 1:100 (60x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using GCSH antibody.



Immunofluorescence

Image 3. Immunofluorescence analysis of C6 cells using GCSH Rabbit pAb (ABIN6127983, ABIN6141032, ABIN6141033 and ABIN6217784) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6141032.