

# GLS1 antibody

Catalog No: #62148

Package Size: #62148 100ul

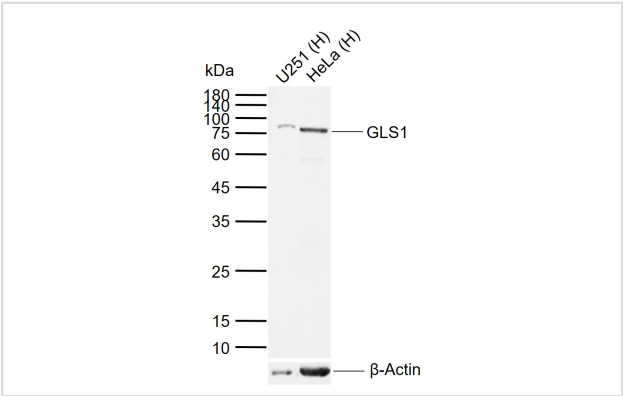
## Description

|                       |                                                                                 |
|-----------------------|---------------------------------------------------------------------------------|
| Product Name          | GLS1 antibody                                                                   |
| Host Species          | Rabbit                                                                          |
| Clonality             | Polyclonal                                                                      |
| Purification          | affinity purified by Protein A.                                                 |
| Applications          | WB, IHC, IF, ELISA                                                              |
| Species Reactivity    | Human, Mouse, Rat                                                               |
| Specificity           | This antibody detects endogenous levels of ZN558.                               |
| Immunogen Description | KLH conjugated synthetic peptide derived from human GLS1: 141-240/669           |
| Target Name           | GLS1                                                                            |
| Calculated MW         | 72 kDa                                                                          |
| Concentration         | 1mg/ml                                                                          |
| Formulation           | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.               |
| Storage               | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |

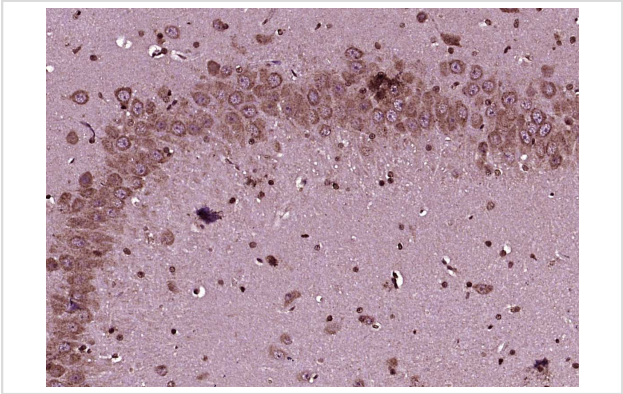
## Application Details

WB 1:500-2000, IHC-P 1:100-500, IHC-F 1:100-500, IF 1:100-500, ELISA 1:5000-10000

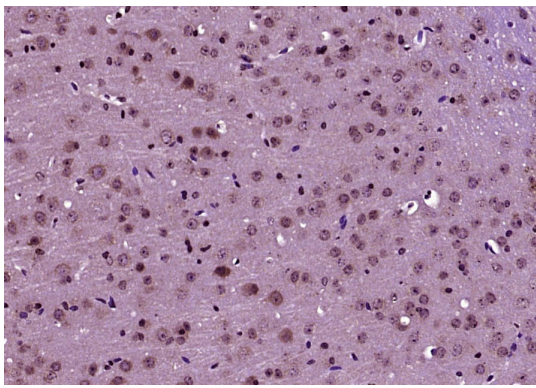
## Images



Western blot analysis of lysates using GLS1 antibody at 1/1000 dilution  
Lane 1: Human U251 cell lysates  
Lane 2: Human HeLa cell lysates



Immunohistochemical analysis of paraffin-embedded Rat brain with GLS1 Antibody at 1:400.



Immunohistochemical analysis of paraffin-embedded Mouse brain with GLS1 Antibody at 1:400.

## Background

This gene encodes the K-type mitochondrial glutaminase. The encoded protein is an phosphate-activated amidohydrolase that catalyzes the hydrolysis of glutamine to glutamate and ammonia. This protein is primarily expressed in the brain and kidney plays an essential role in generating energy for metabolism, synthesizing the brain neurotransmitter glutamate and maintaining acid-base balance in the kidney. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2012].

Note: This product is for in vitro research use only and is not intended for use in humans or animals.