

Datasheet for ABIN652216  
**anti-GLS2 antibody (AA 498-524)**[Go to Product page](#)

2 Images

1 Publication

## Overview

Quantity:	400 µL
Target:	GLS2
Binding Specificity:	AA 498-524
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GLS2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This GLS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 498-524 amino acids of human GLS2.
Clone:	RB20072
Isotype:	IgG
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	GLS2
Alternative Name:	GLS2 ( <a href="#">GLS2 Products</a> )

## Target Details

**Background:** The protein encoded by this gene is a mitochondrial phosphate-activated glutaminase that catalyzes the hydrolysis of glutamine to stoichiometric amounts of glutamate and ammonia. This protein is functionally similar to the kidney glutaminase but is a little smaller in size. Originally thought to be liver-specific, this protein has been found in other tissues as well. At least one transcribed pseudogene has been found for this gene. [provided by RefSeq].

**Molecular Weight:** 66323

**Gene ID:** 27165

**NCBI Accession:** [NP\\_001267727](#), [NP\\_037399](#)

**UniProt:** [Q9UI32](#)

**Pathways:** [Dicarboxylic Acid Transport](#), [Warburg Effect](#)

## Application Details

**Application Notes:** WB: 1:1000. IHC-P-Leica: 1:500

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Buffer:** Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

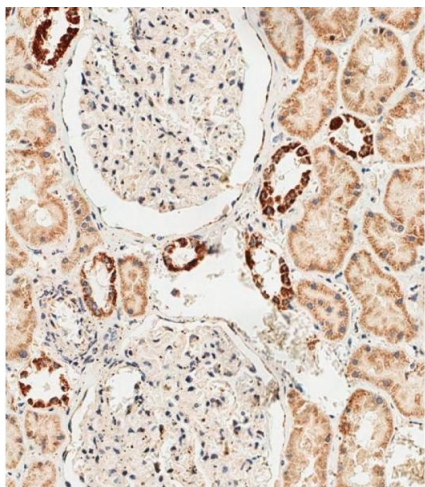
**Storage:** 4 °C, -20 °C

**Storage Comment:** Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

**Expiry Date:** 6 months

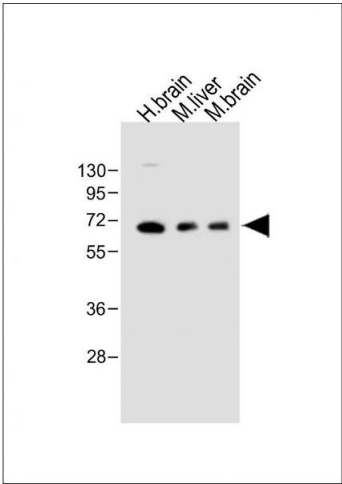
## Publications

**Product cited in:** Chang, Nam, Kook, Kim, Liu, Yao, Jung, Lemos, Seo, Park, Gim, Hong, Huh, Kim, Tan, Liu, Powis, Park, Liang, Kim: "HNF4? is a therapeutic target that links AMPK to WNT signalling in early-stage gastric cancer." in: **Gut**, (2014) ([PubMed](#)).



**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Immunohistochemical analysis of paraffin-embedded human kidney tissue using D performed on the Leica® BOND RXm. Samples were incubated with primary Antibody (1/500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



**Western Blotting**

**Image 2.** All lanes : Anti-GLS2 Antibody (C-term ) at 1:1000 dilution Lane 1: Human brain lysate Lane 2: Mouse liver lysate Lane 3: Mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 66 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.