

Anti-GLS2 antibody ab113509

★★★★★ [2 Abreviews](#) [26 References](#) [5 图像](#)

概述

产品名称	Anti-GLS2抗体
描述	兔多克隆抗体to GLS2
宿主	Rabbit
特异性	<p>The immunogen used for this product shares 100% homology with GLS1. Cross-reactivity with this protein has not been confirmed experimentally.</p> <p>WB has been tested in rat only.</p>
经测试应用	适用于: ICC, IHC-Fr, WB, IHC-P
种属反应性	与反应: Mouse, Rat
免疫原	Synthetic peptide corresponding to Human GLS2 (internal sequence). (Peptide available as ab169954)
阳性对照	WB: Rat kidney lysate. IHC-F: Rat brain tissue. ICC: Rat liver cells. IHC-P: Mouse brain tissue.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at +4°C.
存储溶液	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: 99.98% PBS
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用 ab113509 于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC		Use a concentration of 20 µg/ml.
IHC-Fr		Use at an assay dependent concentration.
WB		Use a concentration of 0.5 - 1 µg/ml. Predicted molecular weight: 66 kDa.
IHC-P	★★★★★ (1)	Use a concentration of 5 - 20 µg/ml.

靶标

功能

Plays an important role in the regulation of glutamine catabolism. Promotes mitochondrial respiration and increases ATP generation in cells by catalyzing the synthesis of glutamate and alpha-ketoglutarate. Increases cellular anti-oxidant function via NADH and glutathione production. May play a role in preventing tumor proliferation.

组织特异性

Highly expressed in liver. Expressed in brain and pancreas. Not observed in heart, placenta, lung, skeletal muscle and kidney. Expression is significantly reduced in hepatocellular carcinomas.

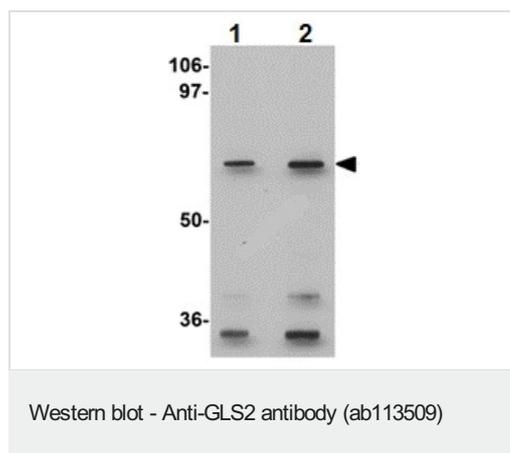
序列相似性

Belongs to the glutaminase family.
Contains 2 ANK repeats.

细胞定位

Mitochondrion.

图片

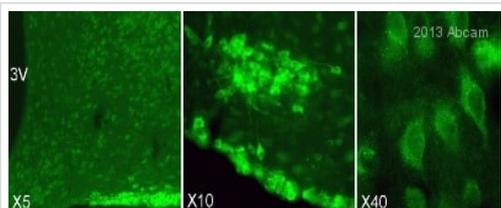


Lane 1 : Anti-GLS2 antibody (ab113509) at 0.5 µg/ml

Lane 2 : Anti-GLS2 antibody (ab113509) at 1 µg/ml

All lanes : GLS2 in Rat Kidney Lysate

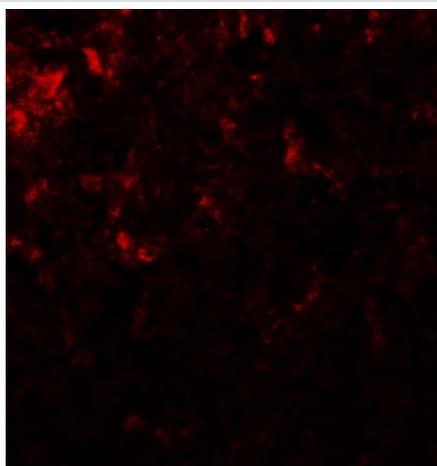
Predicted band size: 66 kDa



Immunohistochemistry (Frozen sections) - Anti-GLS2 antibody (ab113509)

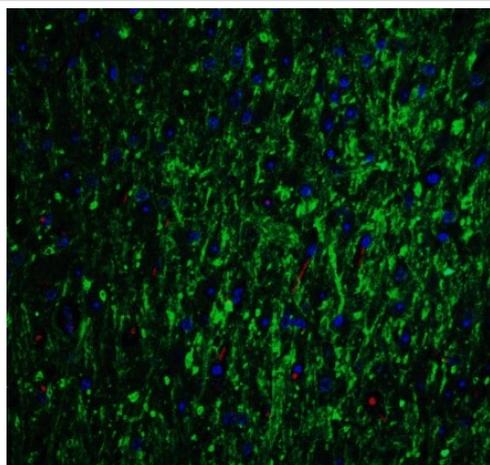
Image Courtesy of Sophie Pezet, INSERM, France

Ab113509 IHC-FoFr on rat brain tissue sections. The antibody was used at 1/1000 in the free floating technique for 18 hours at 20°C. There was no blocking step.



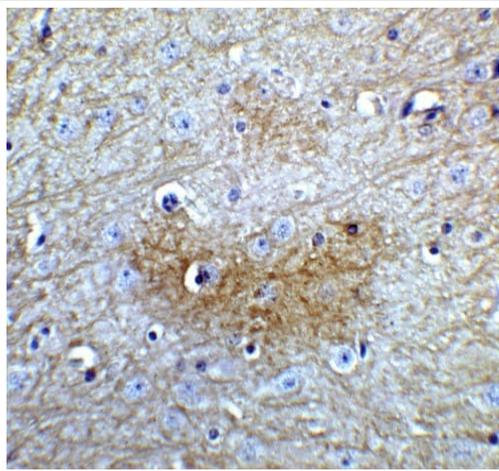
Immunocytochemistry - Anti-GLS2 antibody (ab113509)

Immunocytochemical analysis of rat liver cells labelling GLS2 with ab113509 at 20 µg/mL.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GLS2 antibody (ab113509)

Immunohistochemistry of GLS2 in mouse brain tissue with ab113509 at 20 µg/ml (green), followed by DAPI (blue) and phalloidin (red) staining.



Immunohistochemical analysis of GLS2 in mouse brain with ab113509 at 5 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GLS2 antibody (ab113509)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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