

Anti-Glutamine Synthetase antibody ab93439

★★★★☆ **3 Abreviews** **4 References** **1 图像**

概述

产品名称	Anti-Glutamine Synthetase抗体
描述	兔多克隆抗体to Glutamine Synthetase
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Mouse, Rat 预测可用于: Chicken, Cow, Dog, Human, Pig, Zebrafish, Cynomolgus monkey, Chinese hamster

免疫原	Synthetic peptide corresponding to Mouse Glutamine Synthetase aa 50-150 conjugated to keyhole limpet haemocyanin. (Peptide available as ab103264)
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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>
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性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
纯度	Immunogen affinity purified

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

克隆 多克隆
同种型 IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用 ab93439 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
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 45 kDa (predicted molecular weight: 42 kDa).

靶标

功能 This enzyme has 2 functions: it catalyzes the production of glutamine and 4-aminobutanoate (gamma-aminobutyric acid, GABA), the latter in a pyridoxal phosphate-independent manner (By similarity). Essential for proliferation of fetal skin fibroblasts.

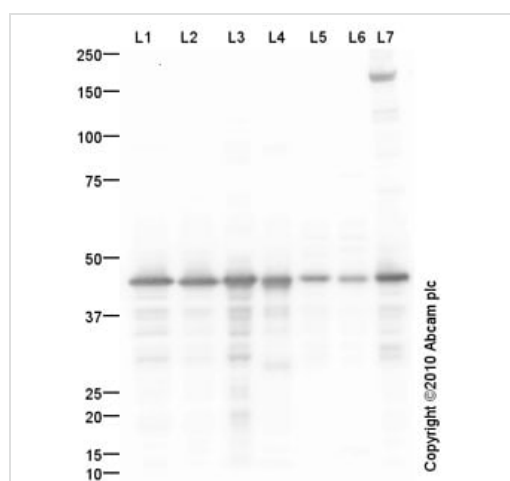
疾病相关 Defects in GLUL are the cause of congenital systemic glutamine deficiency (CSGD) [MIM:610015]. CSGD is a rare developmental disorder with severe brain malformation resulting in multi-organ failure and neonatal death. Glutamine is largely absent from affected patients serum, urine and cerebrospinal fluid.

序列相似性 Belongs to the glutamine synthetase family.

发展阶段 Expressed during early fetal stages.

细胞定位 Cytoplasm. Mitochondrion.

图片



Western blot - Anti-Glutamine Synthetase antibody (ab93439)

All lanes : Anti-Glutamine Synthetase antibody (ab93439) at 1 µg/ml

- Lane 1** : Brain (Mouse) Tissue Lysate
- Lane 2** : Brain (Rat) Tissue Lysate
- Lane 3** : Cerebellum (Mouse) Tissue Lysate
- Lane 4** : Cerebellum (Rat) Tissue Lysate
- Lane 5** : Kidney (Mouse) Tissue Lysate
- Lane 6** : Kidney (Rat) Tissue Lysate
- Lane 7** : Liver (Mouse) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed

(**ab97080**) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 42 kDa

Observed band size: 45 kDa

Additional bands at: 200 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 30 seconds

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

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