

Product datasheet

Anti-Glutamine Synthetase antibody (Biotin) ab34545

概述

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|-------|---|
| 产品名称 | Anti-Glutamine Synthetase抗体(Biotin) |
| 描述 | 山羊多克隆抗体to Glutamine Synthetase (Biotin) |
| 偶联物 | Biotin |
| 经测试应用 | 适用于: WB, ELISA, ICC/IF, Dot blot |
| 种属反应性 | Reacts with Microbia. |
| 免疫原 | Full length protein (Microbial) |

性能

| | |
|------|--|
| 形式 | Liquid |
| 存放说明 | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| 存储溶液 | Preservative: 0.01% Sodium Azide Constituents: 0.15% Sodium chloride, 0.02% Potassium phosphate, 10mg/ml BSA. pH 7.2 |
| 纯度 | IgG fraction |
| 纯化说明 | This product is an IgG fraction antibody purified from monospecific antiserum by a multistep process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. |
| 克隆 | 多克隆 |
| 同种型 | IgG |

应用

Our [Abpromise guarantee](#) covers the use of **ab34545** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| 应用 | Ab评论 | 说明 |
|-------|------|----|
| WB | | |
| ELISA | | |

| 应用 | Ab评论 | 说明 |
|--------------|---|----|
| ICC/IF | | |
| Dot blot | | |
| 应用说明 | <p>Dot: Use at an assay dependent dilution.</p> <p>ELISA: 1/4000 - 1/20000. This product has been assayed against 1.0?g of Glutamine Synthetase in a standard capture ELISA using Peroxidase Conjugated Streptavidin and ABTS as a substrate for 30 minutes at room temperature.</p> <p>ICC/IF: Use at an assay dependent dilution.</p> <p>WB: Use at an assay dependent dilution. Predicted molecular weight: 42 kDa.</p> <p>Suitable for antibody based assays using streptavidin or avidin conjugates requiring lot-to-lot consistency.</p> <p>Not yet tested in other applications.</p> <p>Optimal dilutions/concentrations should be determined by the end user.</p> | |
| 靶标 | | |
| 功能 | <p>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.</p> | |
| 疾病相关 | <p>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.</p> | |
| 序列相似性 | <p>Belongs to the glutamine synthetase family.</p> | |
| 发展阶段 | <p>Expressed during early fetal stages.</p> | |
| 细胞定位 | <p>Cytoplasm. Mitochondrion.</p> | |

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