abcam

Product datasheet

Anti-Glutamine Synthetase antibody (Biotin) ab34545

概述

产品名称	Anti-Glutamine Synthetase抗体(Biotin)
描述	**山羊多克隆抗体**to Glutamine Synthetase (Biotin)
宿主	Goat
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

Dot: Use at an assay dependent dilution.
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.
ICC/IF: Use at an assay dependent dilution.
WB: Use at an assay dependent dilution. Predicted molecular weight: 42 kDa.
Suitable for antibody based assays using streptavidin or avidin conjugates requiring lot-to-lot consistency.

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

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.

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