

## 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		
<b>应用说明</b>	<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>	
<b>靶标</b>		
<b>功能</b>	<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>	
<b>疾病相关</b>	<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>	
<b>序列相似性</b>	<p>Belongs to the glutamine synthetase family.</p>	
<b>发展阶段</b>	<p>Expressed during early fetal stages.</p>	
<b>细胞定位</b>	<p>Cytoplasm. Mitochondrion.</p>	

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