

Product datasheet

Anti-REG1 alpha antibody ab47099

2 References 1 图像

概述

产品名称	Anti-REG1 alpha抗体
描述	兔多克隆抗体to REG1 alpha
宿主	Rabbit
特异性	This antibody is specific for REG 1 alpha. It was tested in a sandwich ELISA with antigens: Reg 1beta, PAP=(REG III), and Reg IV. We did not detect any crossreactivity.
经测试应用	适用于: IHC-P, ELISA, IP, WB
种属反应性	与反应: Human
免疫原	Recombinant human REG 1 alpha. A 17.8 kDa protein containing 144 amino acid residues of the human REG 1 alpha and 12 additional amino acid residues, HisTag. Source of immunogen <i>E.coli</i>
阳性对照	recombinant protein

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: 7.20 Constituents: 0.134% PBS, 0.58% Sodium chloride
纯度	Immunogen affinity purified
纯化说明	Immunoaffinity chromatography on a column with immobilized recombinant human REG 1 alpha.
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab47099** 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
IHC-P		Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 14 kDa (predicted molecular weight: 19 kDa).

靶标

功能	Might act as an inhibitor of spontaneous calcium carbonate precipitation. May be associated with neuronal sprouting in brain, and with brain and pancreas regeneration.
组织特异性	In pancreatic acinar cells and, in lower levels, in brain. Enhanced expression of PSP-related transcripts and intraneuronal accumulation of PSP-like proteins is found in brain from Alzheimer disease and Down syndrome patients.
序列相似性	Contains 1 C-type lectin domain.
发展阶段	High expression levels in fetal and infant brains; much lower in adult brains.
翻译后修饰	The composition of the O-linked carbohydrate on Thr-27 is complex and varied. In the crystallographic structure, the attached sugar appears to be N-acetylglucosamine, typical of an intracellular protein, rather than N-acetylgalactosamine.
细胞定位	Secreted.

图片



Western blot - Anti-REG1 alpha antibody (ab47099)

Anti-REG1 alpha antibody (ab47099) at 1 µg/ml + Human pancreas tissue lysate - total protein (ab29816) at 10 µg

Secondary

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: 19 kDa

Exposure time: 30 seconds

The band observed at 14 kDa could potentially be a cleaved form of REG1 alpha due to the presence of a 25 amino acid signal peptide.

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