abcam

Product datasheet

Anti-IRS1 (phospho S323) antibody ab58526

1 图像

概述

产品名称	Anti-IRS1 (phospho S323)**抗体**
描述	**兔多克隆抗体**to IRS1 (phospho S323)
宿主	Rabbit
特异性	This antibody detects endogenous levels of IRS1 only when phosphorylated at serine 323.
经测试应用	**适用于:** IHC-P, ELISA
种属反应性	**与反应:** Human **预测可用于:** Mouse, Rat
免疫原	A synthesized phosphopeptide derived from human IRS1 around the phosphorylation site of serine 323.
阳性对照	Human breast carcinoma tissue

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS(without Mg2+ and Ca2+), 150mM Sodium chloride, pH 7.4
纯度	Immunogen affinity purified
纯化说明	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
克隆	**多克隆**
同种型	IgG

应用

The Abpromise guarantee	**Abpromise™承诺保证使用**ab58526**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
IHC-P		Use at an assay dependent concentration.
ELISA		1/10000.

靶标

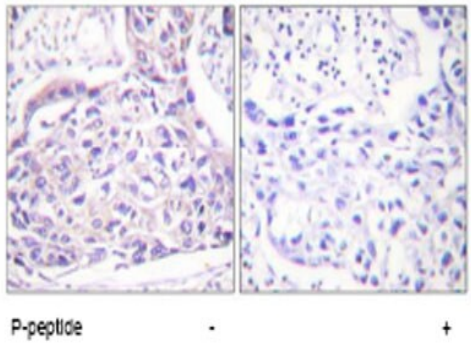
功能 May mediate the control of various cellular processes by insulin. When phosphorylated by the insulin receptor binds specifically to various cellular proteins containing SH2 domains such as phosphatidylinositol 3-kinase p85 subunit or GRB2. Activates phosphatidylinositol 3-kinase when bound to the regulatory p85 subunit.

疾病相关 Polymorphisms in IRS1 may be involved in the etiology of non-insulin-dependent diabetes mellitus (NIDDM) [MIM:125853].

序列相似性 Contains 1 IRS-type PTB domain.
Contains 1 PH domain.

翻译后修饰 Serine phosphorylation of IRS1 is a mechanism for insulin resistance. Ser-312 phosphorylation inhibits insulin action through disruption of IRS1 interaction with the insulin receptor. Phosphorylation of Tyr-896 is required for GRB2-binding.

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IRS1 (phospho S323) antibody (ab58526)

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using ab58526 at a 1/50-1/100 dilution.

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