

## Product datasheet

## Anti-GRB10 (phospho Y67) antibody ab61795

## 1 图像

## 概述

产品名称	Anti-GRB10 (phospho Y67) 抗体
描述	兔多克隆抗体 to GRB10 (phospho Y67)
宿主	Rabbit
特异性	ab61795 detects endogenous levels of GRB 10 only when phosphorylated at tyrosine 67.
经测试应用	适用于: ELISA, WB
种属反应性	与反应: Human
免疫原	Synthetic phosphopeptide derived from human GRB 10 around the phosphorylation site of tyrosine 67 (S-L-Y <sup>P</sup> -S-A).
阳性对照	NIH 3T3 cell extracts treated with Insulin (0.01U/ml, 15mins).

## 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 150mM Sodium chloride, pH 7.4
纯度	Immunogen affinity purified
纯化说明	ab61795 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ab61795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
ELISA		1/20000.
WB		1/500 - 1/1000. Detects a band of approximately 67 kDa (predicted molecular weight: 67 kDa).

## 靶标

### 功能

Adapter protein which modulates coupling of a number of cell surface receptor kinases with specific signaling pathways. Binds to, and suppress signals from, activated receptors tyrosine kinases, including the insulin (INSR) and insulin-like growth factor (IGF1R) receptors. The inhibitory effect can be achieved by 2 mechanisms: interference with the signaling pathway and increased receptor degradation. Delays and reduces AKT1 phosphorylation in response to insulin stimulation. Blocks association between INSR and IRS1 and IRS2 and prevents insulin-stimulated IRS1 and IRS2 tyrosine phosphorylation. Recruits NEDD4 to IGF1R, leading to IGF1R ubiquitination, increased internalization and degradation by both the proteasomal and lysosomal pathways. May play a role in mediating insulin-stimulated ubiquitination of INSR, leading to proteasomal degradation. Negatively regulates Wnt signaling by interacting with LRP6 intracellular portion and interfering with the binding of AXIN1 to LRP6. Positive regulator of the KDR/VEGFR-2 signaling pathway. May inhibit NEDD4-mediated degradation of KDR/VEGFR-2.

### 组织特异性

Widely expressed in fetal and adult tissues, including fetal and postnatal liver, lung, kidney, skeletal muscle, heart, spleen, skin and brain.

### 序列相似性

Belongs to the GRB7/10/14 family.  
Contains 1 PH domain.  
Contains 1 Ras-associating domain.  
Contains 1 SH2 domain.

### 结构域

The PH domain binds relatively non-specifically to several phosphoinositides, including PI(5)P, PI(4,5)P2, PI(3,4)P2 and PI(3,4,5)P3, with modest affinities.

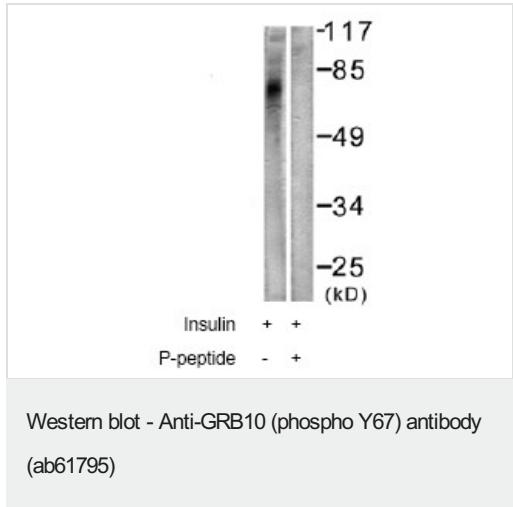
### 翻译后修饰

phosphorylated on serine residues upon EGF, FGF and PDGF stimulation.

### 细胞定位

Cytoplasm. When complexed with NEDD4 and IGF1R, follows IGF1R internalization, remaining associated with early endosomes. Uncouples from IGF1R-containing endosomes before the sorting of the receptor to the lysosomal compartment.

## 图片



**All lanes :** Anti-GRB10 (phospho Y67) antibody (ab61795) at 1/500 dilution

**Lane 1 :** NIH 3T3 cell extracts treated with Insulin (0.01U/ml, 15mins)

**Lane 2 :** NIH 3T3 cell extracts treated with Insulin (0.01U/ml, 15mins) with immunising peptide

**Predicted band size:** 67 kDa

**Observed band size:** 67 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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