

Anti-GRB10 antibody ab61771

2 图像

概述

产品名称	Anti-GRB10抗体
描述	兔多克隆抗体to GRB10
宿主	Rabbit
特异性	ab61771 detects endogenous levels of total GRB 10 protein.
经测试应用	适用于: WB, IHC-P, ELISA
种属反应性	与反应: Human
免疫原	Synthesized non-phosphopeptide derived from human GRB 10 around the phosphorylation site of tyrosine 67 (S-L-Y ^P -S-A).
阳性对照	Human brain tissue; extracts from NIH/3T3 cells

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 ²⁺ and Ca ²⁺), 150mM Sodium chloride, pH 7.4
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab61771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。

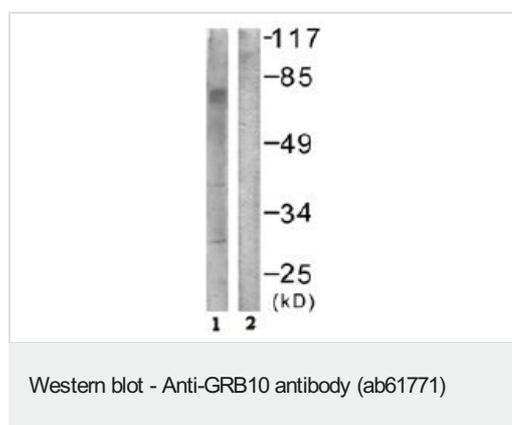
应用	Ab评论	说明
WB		1/500 - 1/1000. Detects a band of approximately 67 kDa (predicted molecular weight: 67 kDa).
IHC-P		1/50 - 1/100.

应用	Ab评论	说明
ELISA		1/5000.

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



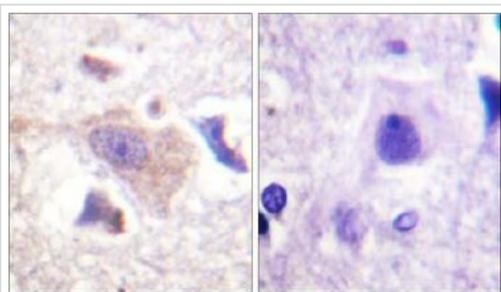
All lanes : Anti-GRB10 antibody (ab61771) at 1/500 dilution

Lane 1 : extracts from NIH/3T3 cells, treated with Insulin (0.01U/ml, 15mins) with no peptide

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

Predicted band size: 67 kDa

Observed band size: 30,40,67 kDa



Peptide - +

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GRB10 antibody (ab61771)

Immunohistochemistry analysis of paraffin-embedded human brain tissue using ab61771 at a dilution of 1/50. Left: sample untreated. Right: sample treated with immunising peptide.

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