

## Product datasheet

# Anti-GRB10 antibody ab125583

★★★★☆ 4 Abreviews 1 References 3 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	At least three isoforms of GRB10 are known to exist; ab125583 will detect all three isoforms.
经测试应用	适用于: ICC/IF, WB
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide corresponding to 17 amino acids near the C terminus of Human GRB10 (NP_005302).
阳性对照	SK-N-SH cell lysate

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.02% Sodium azide Constituent: 99% PBS
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

### 应用

Our [Abpromise guarantee](#) covers the use of **ab125583** 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
ICC/IF	★★★★☆	Use a concentration of 20 µg/ml.
WB	★★★★☆	Use a concentration of 1 - 2 µg/ml. 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.

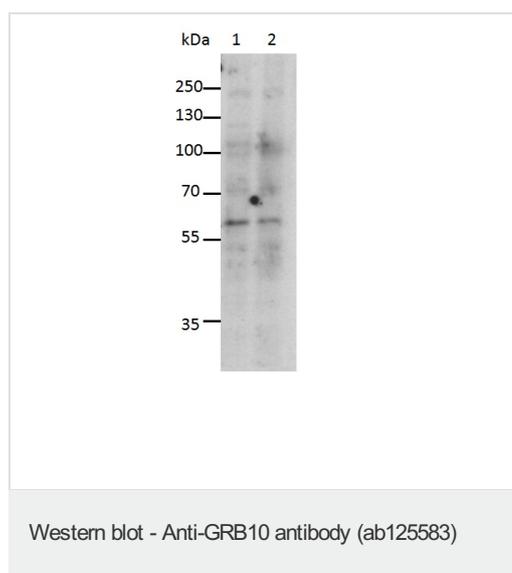
### 翻译后修饰

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 antibody (ab125583)

at 1 µg/ml

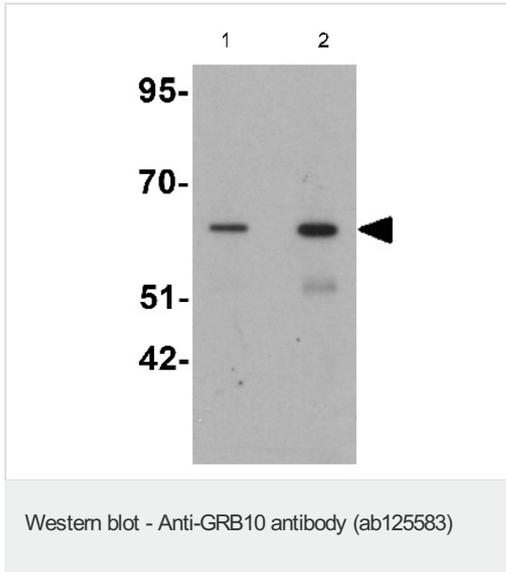
**Lane 1** : A20 cell lysate

**Lane 2** : NIH 3T3 cell lysate

Lysates/proteins at 15 µg per lane.

**Predicted band size:** 67 kDa

Secondary antibody - [anti-rabbit HRP \(ab6721\)](#)



**Lane 1** : Anti-GRB10 antibody (ab125583) at

1 µg/ml

**Lane 2** : Anti-GRB10 antibody (ab125583) at

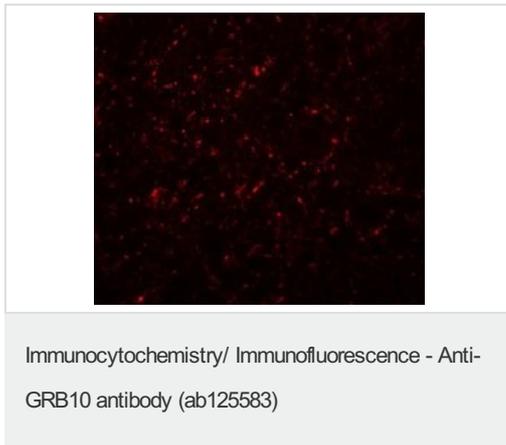
2 µg/ml

**All lanes** : SK-N-SH cell lysate

Lysates/proteins at 15 µg per lane.

**Predicted band size:** 67 kDa

Secondary antibody - [anti-rabbit HRP \(ab6721\)](#)



Immunofluorescence of GRB10 in rat brain cells with ab125583 at 20 µg/mL.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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