



# Anti-AS160 (phospho S588) antibody ab65754

**1 References**   [1 图像](#)

### 概述

产品名称	Anti-AS160 (phospho S588)抗体
描述	羊多克隆抗体to AS160 (phospho S588)
宿主	Sheep
经测试应用	适用于: WB
种属反应性	与反应: Human
免疫原	Synthetic peptide corresponding to Human AS160 aa 583-593 conjugated to keyhole limpet haemocyanin. Sequence: CRGRLGSVDSFE
	<div>  <a href="#">Run BLAST with</a> </div> <div>  <a href="#">Run BLAST with</a> </div>
阳性对照	Tagged AS160 wild type, S588A mutant, and T642A mutant over-expressed transiently in HEK293 cells, basal or with 1 $\mu$ M insulin treatment for 15 minutes.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.50 Preservative: 0.05% Sodium azide Constituents: 0.238% HEPES, 0.87% Sodium chloride
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 ab65754 于以下的经测试应用

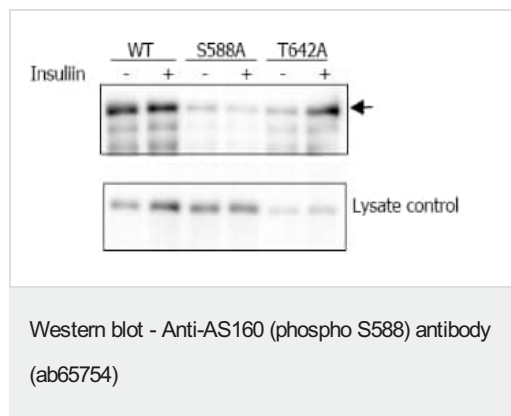
“应用说明”部分 下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

应用	Ab 评论	说明
WB		Use a concentration of 2 µg/ml. Predicted molecular weight: 147 kDa.

## 靶标

功能	May act as a GTPase-activating protein for RAB2A, RAB8A, RAB10 and RAB14. Isoform 2 promotes insulin-induced glucose transporter SLC2A4/GLUT4 translocation at the plasma membrane, thus increasing glucose uptake.
组织特异性	Widely expressed. Isoform 2 is the highest overexpressed in most tissues. Isoform 1 is highly expressed in skeletal muscle and heart, but was not detectable in the liver nor in adipose tissue. Isoform 2 is strongly expressed in adrenal and thyroid gland, and also in lung, kidney, colon, brain and adipose tissue. Isoform 2 is moderately expressed in skeletal muscle. Expressed in pancreatic Langerhans islets, including beta cells (at protein level). Expression is decreased by twofold in pancreatic islets in type 2 diabetes patients compared to control subjects. Up-regulated in T cells from patients with atopic dermatitis.
序列相似性	Contains 2 PID domains. Contains 1 Rab-GAP TBC domain.
翻译后修饰	Phosphorylated by AKT1; insulin-induced. Insulin-stimulated phosphorylation is required for SLC2A4/GLUT4 translocation. Physiological hyperinsulinemia increases phosphorylation in skeletal muscle. Insulin-stimulated phosphorylation is reduced by 39% in type 2 diabetic patients.
细胞定位	Cytoplasm. Isoform 2 shows a cytoplasmic perinuclear localization in a myoblastic cell line in resting and insulin-stimulated cells.

## 图片



Western blot analysis of immunoprecipitated Flagtagged AS160 wild type (WT), S588A mutant (S588A), and T642A mutant (T642A) over-expressed transiently in HEK293 cells, basal (-) or with (+) 1 µM insulin treatment for 15 minutes using ab65754 at 2 µg/ml.

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

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