Datasheet for ABIN7297684

anti-TBC1D4 antibody (pSer642)

3 Images

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Overview

Quantity:	100 µL
Target:	TBC1D4
Binding Specificity:	pSer642
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TBC1D4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochromatography (IC)

Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human AS160.
Specificity:	Recognizes endogenous levels of AS160 (pT642) protein.
Characteristics:	Rabbit polyclonal antibody to AS160 (pT642)
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	TBC1D4
Alternative Name:	AS160 (TBC1D4 Products)

Target Details

Background:	AS160, KIAA0603, TBC1 domain family member 4, Akt substrate of 160 kDa, AS160
Gene ID:	9882, 210789
UniProt:	O60343, Q8BYJ6

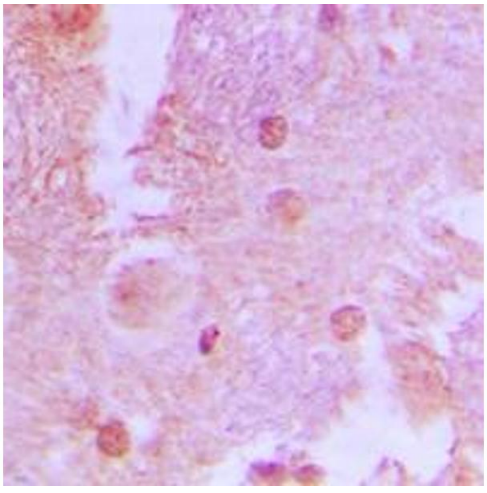
Application Details

Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500)
Restrictions:	For Research Use only

Handling

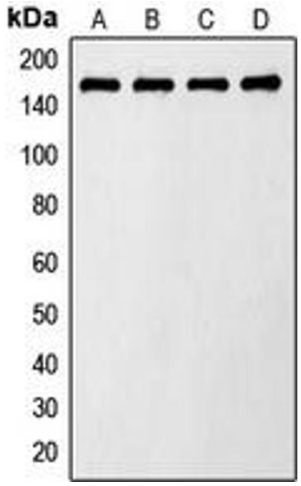
Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months

Images



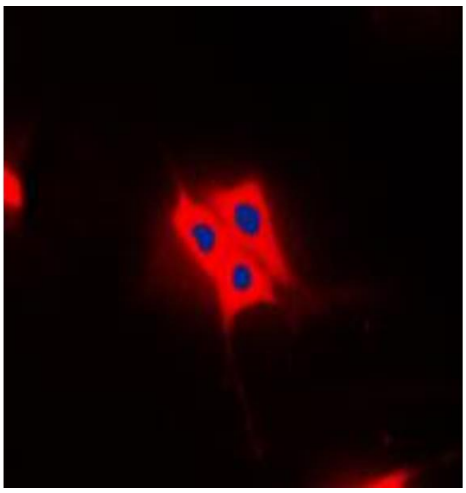
Immunohistochemistry

Image 1. Immunohistochemical analysis of AS160 (pT642) staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western Blotting

Image 2. Western blot analysis of AS160 (pT642) expression in LO2 insulin-treated (A), Raw264.7 insulin-treated (B), PC12 insulin-treated (C), NIH3T3 UV-treated (D) whole cell lysates.



Immunofluorescence

Image 3. Immunofluorescent analysis of AS160 (pT642) staining in Raw264.7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).