For Research Use Only

Phospho-PRAS40 (Thr246) Recombinant antibody

Catalog Number:80565-2-RR

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
80565-2-RR

Size:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC051844

GeneID (NCBI):
84335

UNIPROT ID:
Q96B36

Full Name:
AKT1 substrate 1 (proline-rich)

Calculated MW:
27 kDa

Observed MW:
40 kDa

Purification Method:
Protein A purification

CloneNo.:
250305A2

Recommended Dilutions:
WB: 1:1000-1:4000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : Insulin treated HeLa cells,

Background Information

PRAS40 is expressed in a variety of tissues in vivo and has multiple phosphorylation sites, which its activity is closely related to phosphorylation. Studies have shown that PRAS40 is involved in regulating cell growth, cell apoptosis, oxidative stress, autophagy and angiogenesis, as well as various of signalling pathways such as mammalian target of mammalian target rapamycin (mTOR), protein kinase B (PKB/Akt), nuclear factor kappa-B(NF-κB), proto-oncogene serine/threonine-protein kinase PIM-1(PIM1) and pyruvate kinase M2 (PKM2). PGK1 phosphorylated PRAS40 at Threonine 246, which could be inhibited by blocking the interaction. PRAS40 can be phosphorylated by p-AKT at Thr246 site and promote the signal downstream to the mTOR signaling pathway. (PMID: 35058442, PMID: 32855714)

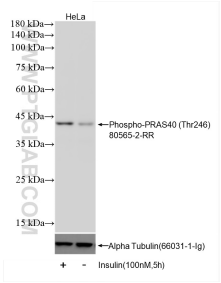
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



Non-treated HeLa cells and Insulin treated HeLa cells were subjected to SDS PAGE followed by western blot with 80565-2-RR (Phospho-PRAS40 (Thr246) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as a loading control.