

For Research Use Only

# Phospho-RICTOR (Thr1135) Polyclonal antibody

Catalog Number: 29117-1-AP



## Basic Information

Catalog Number:

29117-1-AP

Size:

100ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC029608

GeneID (NCBI):

253260

UNIPROT ID:

Q6R327

Full Name:

rapamycin-insensitive companion of mTOR

Calculated MW:

192 kDa

Observed MW:

192-200 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB : PDGF treated PC-3 cells,

## Background Information

Rictor is the core component of the mammalian target of rapamycin complex 2 (mTORC2), and loss of this protein leads to an immunodeficiency. RICTOR is regulated by phosphorylation at threonine 1135 (Thr1135) by S6K, downstream of PI3K, which inactivates mTORC2 and therefore inhibits AKT phosphorylation at Ser473. (PMID: 26356562, PMID: 28821013)

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

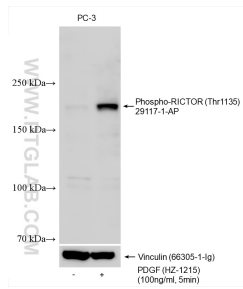
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## Selected Validation Data



Non-treated PC-3 and PDGF (HZ-1215) treated PC-3 cells were subjected to SDS PAGE followed by western blot with 29117-1-AP (Phospho-RICTOR (Thr1135) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Vinculin antibody as loading control.