

For Research Use Only

RICTOR Monoclonal antibody, PBS Only (Capture)



Catalog Number: 66867-2-PBS

Basic Information

Catalog Number: 66867-2-PBS	GenBank Accession Number: BC029608	Purification Method: Protein G purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 253260	CloneNo.: 1D1C4
Source: Mouse	UNIPROT ID: Q6R327	
Isotype: IgG1	Full Name: rapamycin-insensitive companion of mTOR	
Immunogen Catalog Number: AG28487	Calculated MW: 192 kDa	
	Observed MW: 192 kDa	

Applications

Tested Applications:
WB, Indirect ELISA, Cytometric bead array

Species Specificity:
Human, mouse, rat

Product Information

66867-2-PBS targets RICTOR as part of a matched antibody pair:

MP50234-1: 66867-2-PBS capture and 66867-3-PBS detection (validated in Cytometric bead array)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

RICTOR, is a key component of the mTOR complex 2 (mTORC2) and is required for phosphorylation of Akt at serine 473. RICTOR is the upstream kinase of several AGC kinase family members including AKT, SGK, S6K mutants and several PKC isoforms. Activation of RICTOR-mTORC2 modifies actin organization and promotes cell proliferation and survival. Rictor is overexpressed in several cancers leading to hyperactive mTORC2 and has been shown to play a causal role in glioma formation. Rictor expression has been demonstrated to be regulated transcriptionally and via protein degradation.

Storage

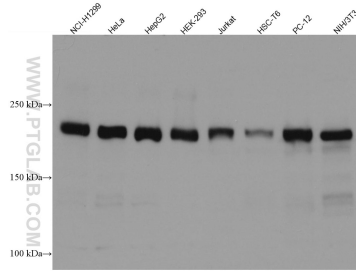
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

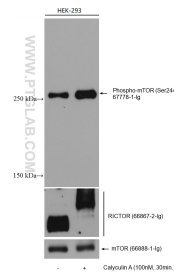
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

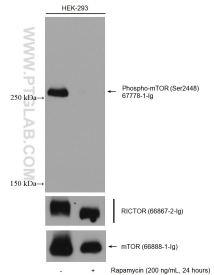
Selected Validation Data



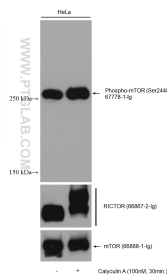
Various lysates were subjected to SDS PAGE followed by western blot with 66867-2-Ig (RICTOR antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66867-2-PBS in a different storage buffer formulation.



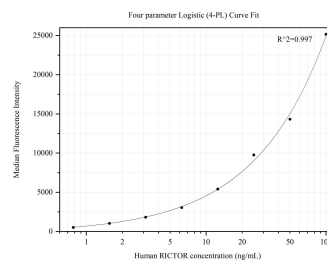
Non-treated and Calyculin A treated HEK-293 cells were subjected to SDS PAGE followed by western blot with 67778-1-Ig (Phospho-mTOR (Ser2448) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with RICTOR antibody (66867-2-Ig) and mTOR antibody (66888-1-Ig) subsequently. This data was developed using the same antibody clone with 66867-2-PBS in a different storage buffer formulation.



Non-treated and Rapamycin treated HEK-293 cells were subjected to SDS PAGE followed by western blot with 67778-1-Ig (Phospho-mTOR (Ser2448) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with RICTOR antibody (66867-2-Ig) and mTOR antibody (66888-1-Ig) subsequently. This data was developed using the same antibody clone with 66867-2-PBS in a different storage buffer formulation.



Non-treated and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 67778-1-Ig (Phospho-mTOR (Ser2448) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with RICTOR antibody (66867-2-Ig) and mTOR antibody (66888-1-Ig) subsequently. This data was developed using the same antibody clone with 66867-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP50234-1, RICTOR Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 66867-2-PBS. Detection antibody: 66867-3-PBS. Standard: Ag28487. Range: 0.781-100 ng/mL.