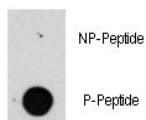


## Phospho-Raptor Antibody (pS863) (F48549)

Catalog No.	Formulation	Size
F48549-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F48549-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>UniProt</b>	Q8N122
<b>Applications</b>	Dot Blot : 1:500
<b>Limitations</b>	This phospho-Raptor antibody is available for research use only.



Dot blot analysis of phospho-Raptor antibody. 50ng of phos-peptide or nonphos-peptide per dot were spotted.

## Description

Raptor participates in the FRAP1 pathway and associates in a near stoichiometric ratio with FRAP1 to form a nutrient-sensitive complex (NSC). It plays a pivotal role as a scaffold protein in the FRAP1-signaling pathway and this interaction is essential for the catalyzed phosphorylation of EIF4EBP1. It has a positive role in nutrient-stimulated signaling to the downstream effector RPS6KB1. Under nutrient-deprived conditions, raptor serves as a negative regulator of FRAP1 kinase activity. Regulation of the interaction with FRAP1 is a critical mechanism by which cells coordinate the rate of cell growth and maintenance of cell size with different environmental conditions.

## Application Notes

Titration of the phospho-Raptor antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

This phospho-Raptor antibody was produced from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding pS863 of human Raptor.

## Storage

Aliquot the phospho-Raptor antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.