

For Research Use Only

# Phospho-IRAK4 (Thr345/Ser346) Recombinant antibody, PBS Only

Catalog Number: 85753-1-PBS



## Basic Information

### Catalog Number:

85753-1-PBS

### Size:

100ug, Concentration: 1 mg/ml by  
Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

BC013316

### GeneID (NCBI):

51135

### UNIPROT ID:

Q9NWZ3

### Full Name:

interleukin-1 receptor-associated  
kinase 4

### Calculated MW:

52 kDa

### Observed MW:

55 kDa

### Purification Method:

Protein A purification

### CloneNo.:

242271A8

## Applications

### Tested Applications:

WB, Indirect ELISA

### Species Specificity:

human

## Background Information

IRAK4 is the central kinase in the Toll-like receptor pathway of the innate immune system. Toll-like receptors constitute the first line of defense against pathogenic micro-organisms such as bacteria, viruses, and yeast. Unphosphorylated full-length IRAK4 can autophosphorylate in vitro in a cell-free system. In the cellular context, however, autophosphorylation is inducible by IL-1 $\beta$ . Four phosphorylation sites have been identified in the activation loop in some articles, which are the results of autophosphorylation: Thr-342, Thr-345, Ser-346 and Thr-352. (PMID: 24567333)

## Storage

### Storage:

Store at -80°C.

### Storage Buffer:

PBS only, pH7.3

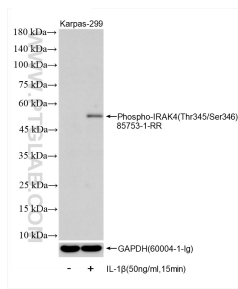
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Non-treated Karpas-299 cells and IL-1 beta treated Karpas-299 cells were subjected to SDS PAGE followed by western blot with 85753-1-RR (Phospho-IRAK4 (Thr345/Ser346) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (60004-1-Ig) antibody as a loading control. This data was developed using the same antibody clone with 85753-1-PBS in a different storage buffer formulation.

