

# Phospho-IRAK4-Thr345/Ser346 Rabbit pAb

Catalog No.: AP1351

## Basic Information

### Observed MW

55kDa

### Calculated MW

52kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human

## Background

This gene encodes a kinase that activates NF-kappaB in both the Toll-like receptor (TLR) and T-cell receptor (TCR) signaling pathways. The protein is essential for most innate immune responses. Mutations in this gene result in IRAK4 deficiency and recurrent invasive pneumococcal disease. Multiple transcript variants encoding different isoforms have been found for this gene.

## Recommended Dilutions

WB 1:500 - 1:1000

## Immunogen Information

### Gene ID

51135

### Swiss Prot

Q9NWZ3

### Immunogen

A synthetic phosphorylated peptide around Thr345/Ser346 of human IRAK4.

### Synonyms

IPD1; IMD67; REN64; IRAK-4; NY-REN-64; Phospho-IRAK4-Thr345/Ser346

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

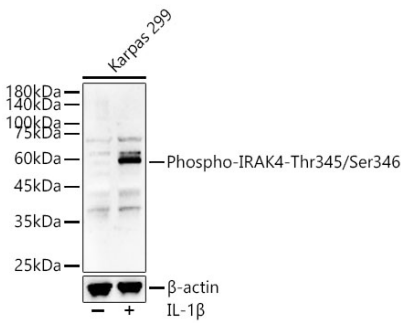
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

# Validation Data



Western blot analysis of lysates from Karpas 299 cells using Phospho-IRAK4-Thr345/Ser346 Rabbit pAb (AP1351) at 1:800 dilution. Karpas 299 cells were treated by IL-1 $\beta$  (10 ng/ml) at 37°C for 15 minutes after serum-starvation overnight.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25  $\mu$ g per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 60s.