

Phospho-IRAK4-Thr345/Ser346 Rabbit pAb

Catalog No.: AP1351

Basic Information

Observed MW

55kDa

Calculated MW

52kDa

Category

Primary antibody

Applications

WB, ELISA

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

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

51135

Swiss Prot

Q9NWZ3

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

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

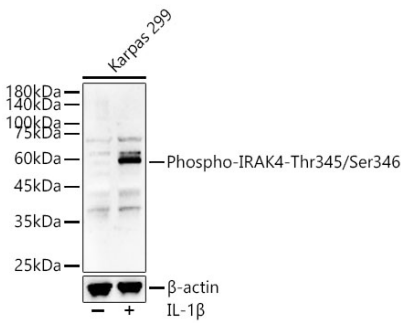
Affinity purification

Storage

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

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

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 with IL-1 β (10 ng/ml) at 37°C for 15 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μ g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.