

Anti-Akirin1 Antibody

ORDERING INFORMATION

Catalog No.: 56264

Size: 100 ug IgG in PBS, pH 7.4, purified by immunoaffinity chromatography.

BACKGROUND

Akirin is a recently discovered nuclear protein with an essential function in the *Drosophila melanogaster* immune deficiency pathway which responds to gram-negative bacterial infection. Akirin is conserved in vertebrates as at least two genes designated akirin1 and akirin2. In mice, akirin2 functions in toll-like receptor, tumor necrosis factor, and interleukin-1 β signaling pathways downstream of NF- κ B to induce the transcription of several immune-response genes. In mice, knockout of akirin1 had no obvious phenotypic effects, but knockout of akirin2 was embryonic-lethal.

SPECIFICATION SUMMARY

Antigen: N-terminal domain peptide sequence (16 amino acids) derived from human Akirin1 (GenBank accession no. CA116710).

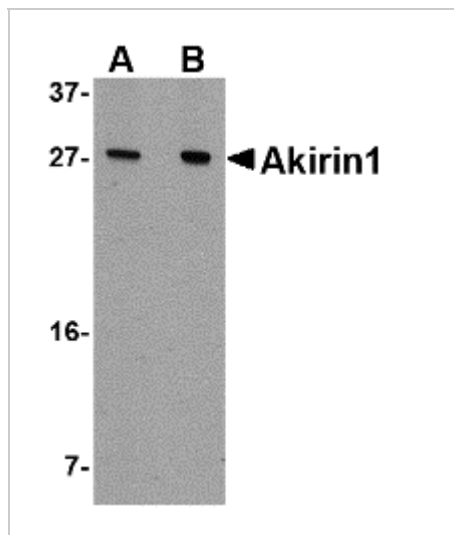
Host Species: Rabbit

Preservatives: 0.02% sodium azide.

APPLICATIONS

Immunoblotting: use at 2ug/ml

Positive control: A549 cell lysate.



Western blot analysis of Akirin1 in A549 cell lysate with #56264 at (A) 1 and (B) 2ug/ml.

SPECIFICITY

This antibody recognizes human, mouse, and rat Akirin1.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.