

Datasheet for ABIN6990978  
**anti-Akirin 1 antibody (N-Term)**



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## Overview

Quantity:	0.1 mg
Target:	Akirin 1 (AKIRIN1)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Akirin 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	Akirin1 antibody was raised against a 16 amino acid synthetic peptide near the amino terminus of the human Akirin1. The immunogen is located within the first 50 amino acids of Akirin1.
Isotype:	IgG
Purification:	Akirin1 Antibody is affinity chromatography purified via peptide column.

## Target Details

Target:	Akirin 1 (AKIRIN1)
Alternative Name:	Akirin1 ( <a href="#">AKIRIN1 Products</a> )
Background:	Akirin1 Antibody: The highly conserved, nuclear-localized Akirin1 and Akirin2 proteins critically regulate the transcription of NF- $\kappa$ B-dependent genes and are required for defense against Gram-negative bacteria in the immune deficiency and NF- $\kappa$ B pathways. Akirin1 is dispensable

## Target Details

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in the mouse, and neither knockout mice nor cells derived from them have obvious distinctive phenotypes. In contrast, Akirin2 is required for development in the mouse and knockout of both Akirin homologs in mice show that Akirin2 is required downstream of toll-like receptor (TLR), TNF- $\alpha$ , and IL-1 $\beta$ , signaling, and for the production of IL-6. Akirin2 is functionally closer to the single gene in *Drosophila*, as the homozygous null *D. melanogaster* Akirin mutants show a similar, mid-to-early embryonic death.

Gene ID: 79647

UniProt: [Q9H9L7](#)

## Application Details

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Application Notes: Akirin1 antibody can be used for detection of Akirin1 by Western blot at 1 - 2  $\mu$ g/mL.

Antibody validated: Western Blot in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 mg/mL

Buffer: Akirin1 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: Akirin1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.