

**Datasheet for 600-401-X98****AKIRIN2 Antibody****Overview**

<b>Description:</b>	Anti-AKIRIN2 (RABBIT) Antibody - 600-401-X98
<b>Item No.:</b>	600-401-X98
<b>Size:</b>	100 µg
<b>Applications:</b>	ELISA, WB
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host Species:</b>	Rabbit

**Product Details**

<b>Background:</b>	The highly conserved, nuclear-localized Akirin1 and Akirin2 proteins critically regulate the transcription of NF-κB-dependent genes and are required for defense against Gram-negative bacteria in the immune deficiency and NF-κB pathways. Akirin1 is dispensable 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-α and IL-1β signaling, and for the production of IL-6. Akirin2 is functionally closer to the single gene in <i>Drosophila</i> , as the homozygous null <i>D. melanogaster</i> Akirin mutants show a similar, mid-to-early embryonic death.
<b>Synonyms:</b>	Akirin2 Antibody, FBI1, C6orf166, dJ486L4.2, Akirin-2
<b>Host Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

**Target Details**

<b>Gene Name:</b>	AKIRIN2
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Immunogen Type:</b>	Conjugated Peptide

<b>Immunogen:</b>	Anti-Akirin2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide near the internal region of the human Akirin2.
<b>Purity/Specificity:</b>	Anti-Akirin2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with Akirin2 from other sources has not been determined.
<b>Relevant Links:</b>	<ul style="list-style-type: none"><li>• <a href="#">UniProtKB - Q53H80</a></li><li>• <a href="#">GeneID - 55122</a></li><li>• <a href="#">NCBI - EAW48578</a></li></ul>

## Application Details

<b>Tested Applications:</b>	ELISA, WB
<b>Application Note:</b>	Anti-Akirin2 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 34 kDa in Western Blots of specific cell lysates and tissues.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	1:5,000
<b>WB:</b>	0.5 µg/mL

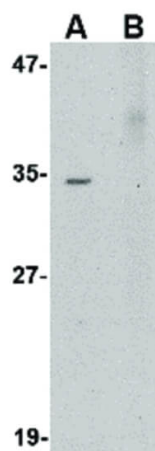
## Formulation

<b>Physical State:</b>	Liquid (sterile filtered)
<b>Concentration:</b>	1 mg/mL by UV absorbance at 280 nm
<b>Buffer:</b>	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
<b>Preservative:</b>	0.02% (w/v) Sodium Azide
<b>Stabilizer:</b>	None

## Shipping & Handling

<b>Shipping Condition:</b>	Wet Ice
<b>Storage Condition:</b>	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
<b>Expiration:</b>	Expiration date is one (1) year from date of receipt.

## Images



### Western Blot

Western Blot of Akirin2 antibody. Lane A: Human brain tissue lysate in the absence of blocking peptide. Lane B: Human brain tissue lysate in the presence of blocking peptide. Load: 35  $\mu$ g per lane. Primary Antibody: Anti-Akirin2 at 0.5  $\mu$ g/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 22.4 kDa, ~35 kDa for Akirin2.

## Disclaimer

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