

## Product datasheet for **TA306645**

### AKIRIN1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1 - 2 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Akirin1 antibody was raised against a 14 amino acid peptide near the center of the human Akirin1.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	akirin 1
Database Link:	<a href="#">NP_001129747</a>

[Entrez Gene 68050 Mouse](#)[Entrez Gene 595134 Rat](#)[Entrez Gene 79647 Human Q9H9L7](#)

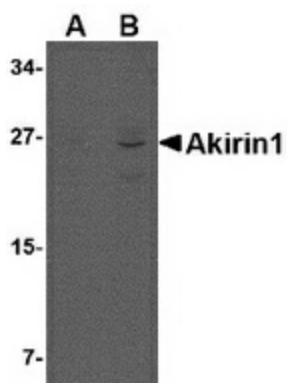
**Background:** The highly conserved, nuclear-localized Akirin1 and Akirin2 proteins critically regulate the transcription of NF-kappaB-dependent genes and are required for defense against Gram-negative bacteria in the immune deficiency and NF-kappaB pathways. Akirin1 is dispensable in the mouse, and 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-alpha and IL-1beta 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.



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Synonyms: C1orf108; STRF2

### Product images:



Western blot analysis of Akirin1 in rat liver lysate with Akirin1 antibody at (A) 1 and (B) 2 ug/ml.