

Product datasheet for **TA306646**

AKIRIN2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1 ug/mL
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Akirin2 antibody was raised against a 15 amino acid peptide near the center of the human Akirin2.
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 2
Database Link:	NP_060534 Entrez Gene 433693 Mouse Entrez Gene 55122 Human Q53H80

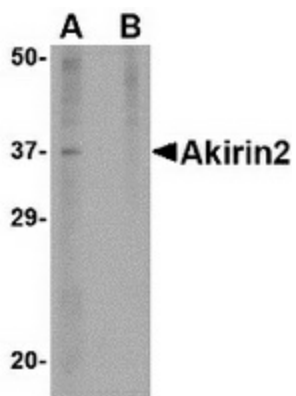
Background: The highly conserved, nuclear-localized Akirin1 and Akirin2 proteins critically regulate the transcription of NF-kappaB-dependent genes and are required for defense against Gram-negative bacteria in the immune deficiency and NF-kappaB pathways. Akirin1 is dispensable in the mouse, and neither 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: C6orf166; dj486L4.2; FBI1

Product images:



Western blot analysis of Akirin2 in mouse brain tissue lysate with Akirin2 antibody at 1 ug/ml in (A) the absence and (B) the presence of blocking peptide.