

NALP14 Antibody
Catalog # ASC11202**Specification**

NALP14 Antibody - Product Information

Application	WB
Primary Accession	Q86W24
Other Accession	NP_789792 , 28827813
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	NALP14 antibody can be used for detection of NALP14 by Western blot at 1 µg/mL.

NALP14 Antibody - Additional Information

Gene ID	338323
Target/Specificity	
NLRP14;	

Reconstitution & Storage

NALP14 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.

Precautions

NALP14 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

NALP14 Antibody - Protein Information

Name NLRP14

Synonyms NALP14, NOD5 {ECO:0000303|PubMed:1276675}

Function

May be involved in inflammation and spermatogenesis.

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q6B966}.

Tissue Location

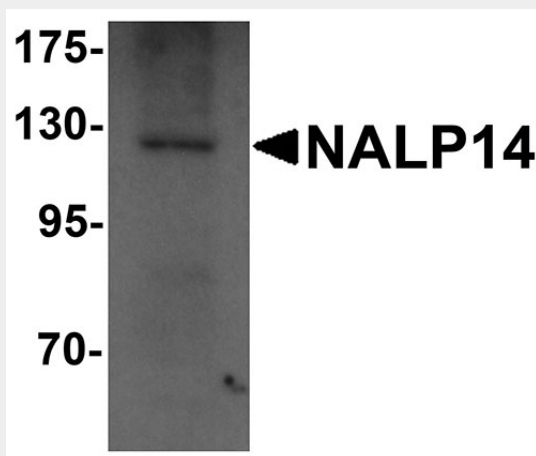
Testis-specific..

NALP14 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NALP14 Antibody - Images



Western blot analysis of NALP14 in rat brain tissue lysate with NALP14 antibody at 1 µg/mL.

NALP14 Antibody - Background

NALP14 Antibody: NALP proteins are cytoplasmic proteins that form a subfamily within the larger CATERPILLER family and are thought to play a crucial role in cell proliferation and reproduction. Like all other NALP family members, NALP14 has a C-terminal leucine-rich repeat (LRR) region, an N-terminal Pyrin domain (PYD) followed by a NACHT domain, and a NACHT-associated domain. While little is known about the function of NALP14, it has been suggested that it may play a role in spermatogenesis and that mutations in the NALP14 gene might cause spermatogenic failure.

NALP14 Antibody - References

Tschopp J, Martinon F, and Burns K. NALPs: a novel protein family involved in inflammation. *Nat. Rev. Mol. Cell Biol.*2003; 4:95-104.
Tian X, Pascal G, and Monget P. Evolution and functional divergence of NLRP genes in mammalian reproductive system. *BMC Evol. Biol.*2009; 9:202.
Westerveld GH, Korver CM, van Pelt AMM, et al. Mutations in the testis-specific NALP14 gene in men suffering from spermatogenic failure. *Hum. Reprod.*2006; 21:3178-84.