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NLRP14 Rabbit pAb

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Catalog # AP57464

Product Information

Application	WB
Primary Accession	Q86W24
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	124733
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NLRP14
Epitope Specificity	81-180/1093
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
DISEASE	In the testis, expressed mainly in A dark spermatogonia, mid and late spermatocytes and spermatids but not in mitotically active A pale and B spermatogonia.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene belongs to the NALP protein family. Members of the NALP protein family typically contain a NACHT domain, a NACHT-associated domain (NAD), a C-terminal leucine-rich repeat (LRR) region, and an N-terminal pyrin domain (PYD). This protein may play a regulatory role in the innate immune system as similar family members belong to the signal-induced multiprotein complex, the inflammasome, that activates the pro-inflammatory caspases, caspase-1 and caspase-5. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	338323
Other Names	NACHT, LRR and PYD domains-containing protein 14, Nucleotide-binding oligomerization domain protein 5, NLRP14, NALP14, NOD5 {ECO:0000303|PubMed:12766759}
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

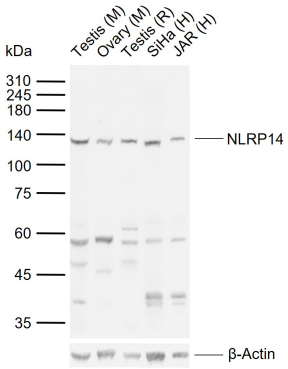
Protein Information

Name	NLRP14
Synonyms	NALP14, NOD5 {ECO:0000303|PubMed:1276675
Function	Component of cytoplasmic lattices, which consist in fibrous structures found in the cytoplasm of oocytes and preimplantation embryos (By similarity). They are required to store maternal proteins critical for embryonic development, such as ribosomal proteins, cytoskeletal tubulins and proteins controlling epigenetic reprogramming of the preimplantation embryo, in a poised but restrained state, regulating their availability for early embryonic development (By similarity). Cytoplasmic lattices also tightly control ubiquitination during the oocyte-to-embryo transition by trapping E3 ubiquitin-protein ligase UHRF1 in a compact autoinhibited conformation and maintaining SCF ubiquitin ligase complexes inactive (PubMed:41951593). Also plays a role in spermatogenesis by regulating differentiation of primordial germ cell-like cells, possibly by protecting HSPA2 from proteasome- mediated degradation (By similarity).
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:Q6B966}.
Tissue Location	Testis-specific..

Background

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Images



Sample:
Lane 1: Mouse Testis tissue lysates
Lane 2: Mouse Ovary tissue lysates
Lane 3: Rat Testis tissue lysates
Lane 4: Human SiHa cell lysates
Lane 5: Human JAR cell lysates
Primary: Anti-NLRP14 (AP57464) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 125 kDa
Observed band size: 138 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.