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Goat anti-NLRP7 Antibody

Peptide-affinity purified goat antibody
Catalog # AF4434a

Product Information

Application	Pep-ELISA
Primary Accession	Q8WX94
Other Accession	NP_631915.2, NP_996611.2, NP_001120727.1
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Clone Names	NLRP7
Calculated MW	111807

Additional Information

Gene ID	199713
Other Names	NLRP7; NLR family, pyrin domain containing 7; HYDM; PAN7; NALP7; NOD12; PYPAF3; CLR19.4
Dilution	Pep-ELISA~~N/A
Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Goat anti-NLRP7 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NLRP7 {ECO:0000303|PubMed:20547486, ECO:0000312|HGNC:HGNC:22947}
Function	Component of cytoplasmic lattices, which consist in fibrous structures found in the cytoplasm of oocytes and preimplantation embryos (PubMed:41118754). Cytoplasmic lattices 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 (PubMed:41118754). Inhibits CASP1/caspase-1-dependent IL1B secretion (PubMed:15817483).

Cellular Location	Cytoplasm, cell cortex. Note=Localized at the oocyte cortex
Tissue Location	Expressed in numerous tissues including uterus and ovary, with low levels in heart and brain. Not detected in skeletal muscle.

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