

Goat anti-NLRP5 (C-terminus) Antibody

Peptide-affinity purified goat antibody Catalog # AF4404a

Specification

Goat anti-NLRP5 (C-terminus) Antibody - Product Information

Application
Primary Accession
Other Accession
Reactivity
Host
Clonality
Calculated MW

WB, Pep-ELISA P59047 NP_703148.4 Human Goat Polyclonal 134342

Goat anti-NLRP5 (C-terminus) Antibody - Additional Information

Gene ID 126206

Other Names

NLRP5; NLR family, pyrin domain containing 5; MATER; NALP5; PAN11; PYPAF8; CLR19.8

Dilution

WB~~1:1000 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-NLRP5 (C-terminus) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

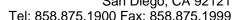
Goat anti-NLRP5 (C-terminus) Antibody - Protein Information

Name NLRP5

Synonyms MATER {ECO:0000303|PubMed:19542546}, NAL

Function

As a member of the subcortical maternal complex (SCMC), plays an essential role for zygotes to progress beyond the first embryonic cell divisions via regulation of actin dynamics (By similarity). Required for the formation of F-actin cytoplasmic lattices (CPL) in oocytes, which in turn are





responsible for symmetric division of zygotes via the regulation of mitotic spindle formation and positioning (By similarity). Required for the localization of cortical granules to the cortex of oocytes, via association with the cortical actin scaffold (By similarity). Required for cortical actin clearance prior to oocyte exocytosis (By similarity). Involved in regulating post-fertilization Ca(2+) release and endoplasmic reticulum (ER) storage via regulation of ER localization (By similarity). May be involved in the localization of mitochondria to the cytoplasm and perinuclear region in oocytes and early stage embryos, independent of its role in CPL formation (By similarity).

Cellular Location

Cytoplasmic vesicle, secretory vesicle, Cortical granule. Mitochondrion. Nucleus, nucleolus. Cytoplasm. Golgi apparatus

Tissue Location

Expressed in cumulus cells (at protein level) (PubMed:19542546). Highly abundant in oocytes and early embryos, however poorly expressed in somatic tissues such as the liver and spinal cord (PubMed:11925379, PubMed:30877238)

Goat anti-NLRP5 (C-terminus) Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat anti-NLRP5 (C-terminus) Antibody - Images