

NANOS3 / NOS-3 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS13728**Specification**

NANOS3 / NOS-3 Antibody (C-Terminus) - Product Information

Application	WB, IF
Primary Accession	P60323
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	19kDa KDa

NANOS3 / NOS-3 Antibody (C-Terminus) - Additional Information**Gene ID** 342977**Other Names**

Nanos homolog 3, NOS-3, NANOS3, NOS3

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

NANOS3 / NOS-3 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

NANOS3 / NOS-3 Antibody (C-Terminus) - Protein Information**Name** NANOS3**Synonyms** NOS3**Function**

Plays a role in the maintenance of the undifferentiated state of germ cells regulating the spermatogonia cell cycle and inducing a prolonged transit in G1 phase. Affects cell proliferation probably by repressing translation of specific mRNAs. Maintains the germ cell lineage by suppressing both Bax-dependent and -independent apoptotic pathways. Essential in the early stage embryo to protect the migrating primordial germ cells (PGCs) from apoptosis.

Cellular Location

Nucleus. Cytoplasm. Cytoplasm, Stress granule {ECO:0000250|UniProtKB:P60324}. Cytoplasm, P-body {ECO:0000250|UniProtKB:P60324}. Note=Co-localizes with PUM2, EIF2S1 and TIAL1 in the stress granules. Co-localizes with DCP1A in the P-body {ECO:0000250|UniProtKB:P60324}

Tissue Location

Ovary, testis and brain (at protein level). In the ovaries, expressed during multiple stages of oogenesis, including primordial, primary, secondary and antral follicles with the highest expression

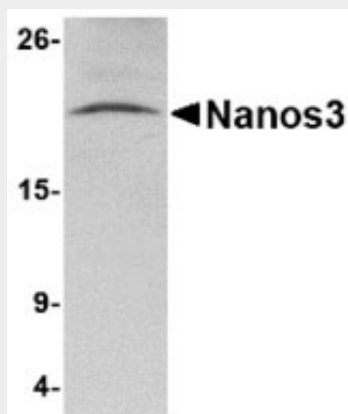
in the oocytes. In the testis, expressed in germ cells, type A spermatogonia (SA), primary spermatocytes (S1), round spermatids (S3) and elongated spermatids.

NANOS3 / NOS-3 Antibody (C-Terminus) - Protocols

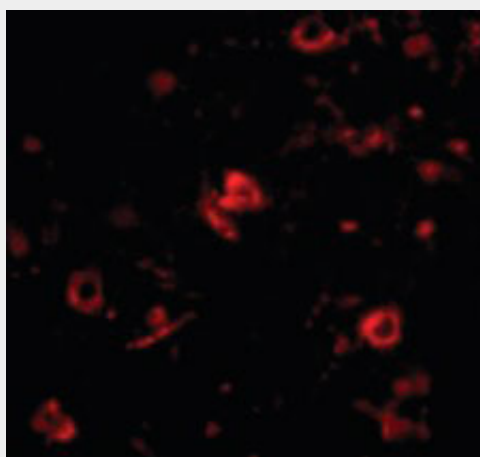
Provided below are standard protocols that you may find useful for product applications.

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

NANOS3 / NOS-3 Antibody (C-Terminus) - Images



Western blot of Nanos3 in human brain tissue lysate with Nanos3 antibody at 2 ug/ml.



Immunofluorescence of Nanos3 in Human Brain cells with Nanos3 antibody at 20 ug/ml.

NANOS3 / NOS-3 Antibody (C-Terminus) - Background

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suppressing both Bax- dependent and -independent apoptotic pathways. Essential in the early stage embryo to protect the migrating primordial germ cells (PGCs) from apoptosis.

NANOS3 / NOS-3 Antibody (C-Terminus) - References

Grimwood J.,et al.Nature 428:529-535(2004).
Bonaldo M.F.,et al.Genome Res. 6:791-806(1996).
Julaton V.T.,et al.Hum. Mol. Genet. 20:2238-2250(2011).