

## Rabbit anti-Human NANOS1 Polyclonal Antibody | anti-NANOS1 antibody

Anti-NANOS1 Antibody, Rabbit Polyclonal

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                  |
|-----------|--------|------------|---------------------------------------------------------------|
| AAA254270 | Rabbit | Human      | Immunofluorescence, Immunocytochemistry, Immunohistochemistry |

### PRODUCT SYNONYMS

NANOS1; Polyclonal Antibody; Anti-NANOS1 Antibody; Rabbit Polyclonal; NANOS1 Antibody; Rabbit PAb; Antigen Affinity Purified; nanos homolog 1 (Drosophila); Anti-EC\_Rep1a Antibody; Anti-NOS-1 Antibody; Anti-NOS1 Antibody; Anti-RP11-498J9.3 Antibody; Anti-SPGF12 Antibody; anti-NANOS1 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                                       |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                       | Human                                                                                                                                                                                                                                                                 |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                                                            |
| Isotype                                          | Rabbit IgG                                                                                                                                                                                                                                                            |
| Specificity                                      | Human NANOS1                                                                                                                                                                                                                                                          |
| Purity/Purification                              | Protein A & Antigen Affinity                                                                                                                                                                                                                                          |
| Form/Format                                      | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-NANOS1 antibody | IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)                                                                                                                                                                                        |
| Immunogen                                        | A synthetic peptide corresponding to the C-terminus of the Human NANOS1                                                                                                                                                                                               |
| Conjugation                                      | Unconjugated                                                                                                                                                                                                                                                          |
| Preparation                                      | Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human NANOS1, and purified by antigen affinity chromatography.                                                                                                          |
| Preparation and Storage                          | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemical staining of human NANOS1 in human breast carcinoma with rabbit polyclonal antibody (1:200, formalin-fixed paraffin embedded sections).



#### IF (Immunofluorescence)

Immunofluorescence staining of NANOS1 in HeLa cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-human NANOS1 polyclonal antibody (1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor594-conjugated Goat Anti-rabbit IgG secondary antibody (red) and counterstained with DAPI (blue). Positive staining was localized to cytoplasm.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-NANOS1 antibody | The Nanos gene is a key translational regulator of specific mRNAs involved in Drosophila germ cell development. A highly conserved human protein PUMILIO2 forms a complex with NANOS1 in human male germ cells, as does the Drosophila ancestor Pumilio, which binds Nanos to regulate translation of specific mRNAs. NANOS1-PUMILIO2 complex, together with GEMIN3 and small non-coding RNAs, possibly regulate mRNA translation within CB of the human germ cells. |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                  |
|----------------------------------|----------------------------------|
| NCBI GI #                        | 41688589                         |
| NCBI GeneID                      | 340719                           |
| UniProt Accession #              | Q8WY41                           |
| Molecular Weight                 | 30,230 Da                        |
| NCBI Official Full Name          | Nanos homolog 1                  |
| NCBI Official Synonym Full Names | nanos homolog 1 (Drosophila)     |
| NCBI Official Symbol             | NANOS1                           |
| NCBI Official Synonym Symbols    | NOS1; SPGF12                     |
| NCBI Protein Information         | nanos homolog 1; NOS-1; EC_Rep1a |
| UniProt Protein Name             | Nanos homolog 1                  |
| UniProt Gene Name                | <b>NANOS1</b>                    |
| UniProt Synonym Gene Names       | NOS1; NOS-1                      |
| UniProt Entry Name               | NANO1_HUMAN                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/nanos1-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/254270>