

Rabbit anti-Human Nanos1 Polyclonal Antibody | anti-NANOS1 antibody

Nanos1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40387	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

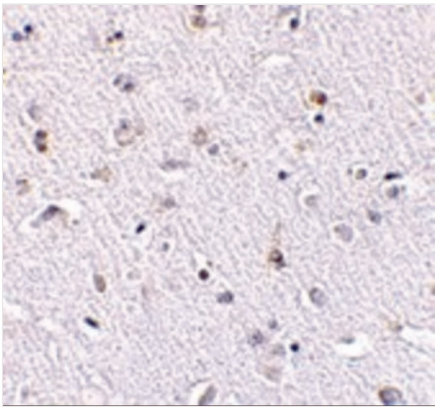
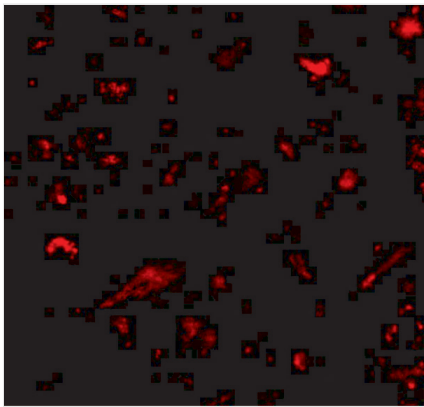
PRODUCT SYNONYMS

Nanos1; Polyclonal Antibody; Nanos1 Antibody; NOS1; SPGF12; Nanos homolog 1; NOS-1; nanos homolog 1 (Drosophila); anti-NANOS1 antibody

PRODUCT SPECIFICATIONS

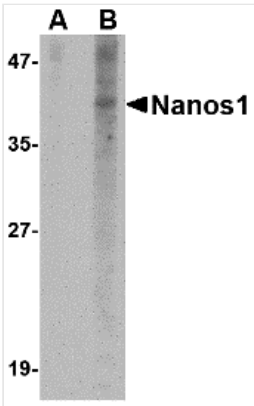
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Nanos1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	292
Applicable Applications for anti-NANOS1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Nanos1 antibody was raised against a 17 amino acid synthetic peptide from near the amino terminus of human Nanos1.
Buffer	Nanos1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Nanos1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of nanos1 in human brain tissue with nanos1 antibody at 20 μ g/mL.

IHC (Immunohistochemistry)
Immunohistochemistry of Nanos1 in human brain tissue with Nanos1 antibody at 2.5 μ g/mL.



WB (Western Blot)
Western blot analysis of Nanos1 in SK-N-SH cell lysate with Nanos1 antibody at 1 μ g/mL in (A) the presence and (B) the absence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-NANOS1 antibody

Nanos1 Antibody: Nanos1 is one of three known mammalian homologs to the Drosophila gene nanos. Nanos1 is an RNA-binding protein containing a zinc-finger motif and is expressed in the developing nervous system and continues in the adult brain. Interestingly, unlike mice deficient in either nanos2 or nanos3, mice lacking the nanos1 gene develop normally with no sign of abnormalities. Recently it has been found that expression of nanos1 mRNA is down-regulated by E-cadherin in a human breast cancer cell line and the amino-terminal domain on Nanos1 interacts with the E-cadherin-binding protein p120ctn. Furthermore, overexpression of Nanos1 in human colorectal DLD1 cancer cells functionally abolished cell-cell adhesion, allowing the cancer cells to develop strong migratory and invasive properties. These results suggest that targeting Nanos1 might prove an effective strategy in the treatment of E-cadherin-negative tumors.

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	NANOS1
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nanos1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40387>