

Rabbit Nanos2 Polyclonal Antibody | anti-NANOS2 antibody

Nanos2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39743	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

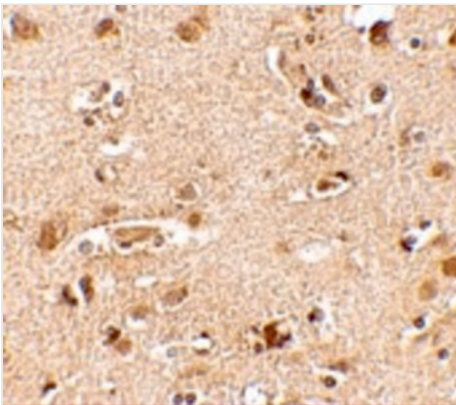
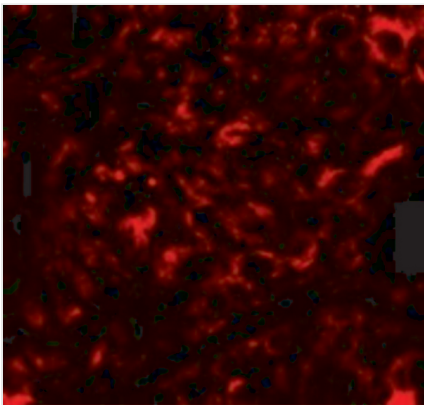
PRODUCT SYNONYMS

Nanos2; Polyclonal Antibody; Nanos2 Antibody; NOS2; Nanos homolog 2; NOS-2; nanos homolog 2 (Drosophila); anti-NANOS2 antibody

PRODUCT SPECIFICATIONS

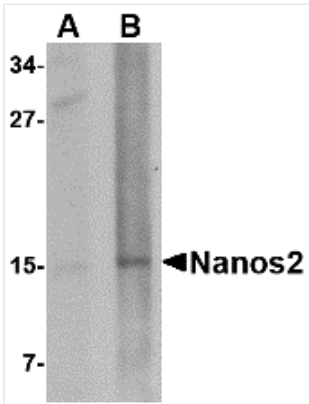
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Nanos2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	138
Applicable Applications for anti-NANOS2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Nanos2 antibody was raised against a 13 amino acid synthetic peptide near the amino terminus of the human Nanos2.
Buffer	Nanos2 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Nanos2 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 Nanos2 in Human Testis cells with Nanos2 antibody at 20 μg/mL.

IHC (Immunohiostchemistry)
Immunohistochemistry of Nanos2 in human brain tissue cells with Nanos2 antibody at 2.5 μg/mL.



WB (Western Blot)
Western blot analysis of Nanos2 in rat brain tissue lysate with Nanos2 antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-NANOS2 antibody

Nanos2 Antibody: Nanos is a zinc-finger containing, RNA-binding protein that has been implicated in germ cell development in both invertebrates and vertebrates. In *Drosophila*, Nanos represses apoptosis during development to ensure proper germ-line development. Unlike Nanos1 whose expression in mice is dispensable, the Nanos2 and Nanos3 proteins are required for germ cell development. Nanos2-null primordial germ cells (PGCs) die only in the male gonads and show no defects in females, while Nanos3-null PGCs are lost during the migration stage regardless of sex. Nanos2 and Nanos3 have distinct expression patterns during embryo development, suggesting that these two proteins do not have redundant functions. However, expression of Nanos2 can at least partially replace Nanos3 function in a Nanos3-null background. Nanos3 expression can not rescue Nanos2-null defects. This Nanos2 antibody will not cross-react with either Nanos 1 or Nanos3.

NCBI AND UNIPROT INFORMATION

NCBI GI #	41688561
NCBI GeneID	339345
UniProt Accession #	P60321; Q17R30; Q4G0P8
Molecular Weight	15,132 Da
NCBI Official Full Name	Nanos homolog 2
NCBI Official Synonym Full Names	nanos homolog 2 (<i>Drosophila</i>)

NCBI Official Symbol	NANOS2
NCBI Official Synonym Symbols	NOS2
NCBI Protein Information	nanos homolog 2; NOS-2
UniProt Protein Name	Nanos homolog 2
UniProt Gene Name	NANOS2
UniProt Synonym Gene Names	NOS2; NOS-2
UniProt Entry Name	NANO2_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/nanos2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39743>