

Human Nanos Homolog 2 (NANOS2) ELISA Kit | NANOS2 elisa kit

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CATALOG #
AAA331542

REACTIVITY
Human

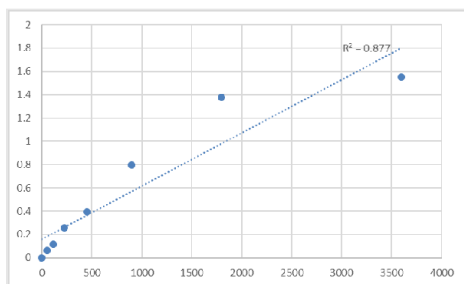
PRODUCT SYNONYMS

Nanos Homolog 2 (NANOS2); Human Nanos Homolog 2 (NANOS2) ELISA Kit; NANOS2; NOS2; nanos homolog 2; NANOS2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Nanos homolog 2 (NANOS2) ELISA Kit has high sensitivity and excellent specificity for detection of Human NANOS2. No significant cross-reactivity or interference between Human NANOS2 and analogues was observed.
Sequence Length	138
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Nanos homolog 2 (NANOS2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for NANOS2 elisa kit	Description: This Human Nanos homolog 2 (NANOS2) ELISA Kit employs a two-site sandwich ELISA to quantitate NANOS2 in samples. An antibody specific for NANOS2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any NANOS2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NANOS2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of NANOS2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: NANOS2 (Nanos C2HC-Type Zinc Finger 2) is a Protein Coding gene. GO annotations related to this gene include mRNA binding. An important paralog of this gene is NANOS3. Plays a key role in the sexual differentiation of germ cells by promoting the male fate but suppressing the female fate. Represses the female fate pathways by suppressing meiosis, which in turn results in the promotion of the male fate. Maintains the suppression of meiosis by preventing STRA8 expression, which is required for premeiotic DNA replication, after CYP26B1 is decreased. Regulates the localization of the CCR4-NOT deadenylation complex to P-bodies and plays a role in recruiting the complex to trigger the degradation of mRNAs involved in meiosis. Required for the maintenance of the spermatogonial stem cell population. Not essential for the assembly of P-bodies but is required for the maintenance of their normal state (By similarity).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	41688561
NCBI GeneID	339345
UniProt Accession #	P60321
NCBI Official Full Name	Nanos homolog 2
NCBI Official Synonym Full Names	nanos C2HC-type zinc finger 2
NCBI Official Symbol	NANOS2
NCBI Official Synonym Symbols	NOS2; ZC2HC12B
NCBI Protein Information	nanos homolog 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.