

Product datasheet for TA359237

NANOS2 Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

WB **Applications:**

Reactivity: Human Rabbit Host:

Clonality: Polyclonal

The immunogen is a synthetic peptide directed towards the C-terminal region of Human Immunogen:

NANOS2

Specificity: Expected reactivity: Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat

Homology: Cow: 100%; Dog: 100%; Goat: 100%; Guinea Pig: 93%; Horse: 93%; Human: 100%;

Mouse: 100%; Pig: 100%; Rabbit: 93%; Rat: 100%

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Concentration: lot specific

Purification: Affinity Purified Conjugation: Unconjugated

Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 15kDa

Gene Name: nanos homolog 2 (Drosophila)

Database Link: NP 001025032

Entrez Gene 339345 Human

P60321



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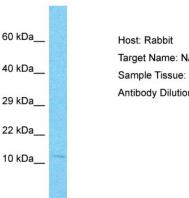


Background:

NANOS2 plays a key role in the sexual differentiation of germ cells by promoting the male fate but suppressing the female fate. It represses the female fate pathways by suppressing meiosis, which in turn results in the promotion of the male fate. It maintains the suppression of meiosis by preventing STRA8 expression, which is required for premeiotic DNA replication, after CYP26B1 is decreased. It 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. It is 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.

Synonyms: NOS2

Product images:



Host: Rabbit
Target Name: NANOS2
Sample Tissue: Jurkat Cell Lysate
Antibody Dilution: 1.0µg/ml

Host: Rabbit Target Name: NANOS2 Sample Type: Jurkat Whole Cell lysates

Antibody Dilution: 1.0ug/ml