Nanos2 Antibody

Subcategory: Rabbit Polyclonal Antibody
Cat. No.: 253892
Unit: 0.1 mg

Description:
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.

Isotype: Rabbit Ig
Applications: E, WB
Species Reactivity: H, M, R
Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.
Alternate Names: Nanos2 ; Nanos homolog 2
Accession No.: P60321

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human Nanos2.
Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.