

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Nanos2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human Nanos1 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 343255
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Nanos2 Met1-Arg138 Accession # P60321
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the [Technical Information](#) section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Nanos2 is a cytoplasmic RNA-binding protein that belongs to the Nanos family of translational repressors. The 138 amino acid (aa) protein contains a 55 aa nanos-type zinc finger domain with two C2HC motifs. Human and mouse Nanos2 share identity 75% aa sequence identity overall but 95% within the zinc finger RNA binding domain. In the mouse, Nanos2 is located in male germ cells and is essential for spermatogenesis.

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