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Datasheet for ABIN6990936

anti-Nanos Homolog 1 antibody (N-Term)

Overview

Quantity:	0.1 mg
Target:	Nanos Homolog 1 (NANOS1)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Nanos Homolog 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Nanos1 antibody was raised against a 17 amino acid synthetic peptide from near the amino terminus of human Nanos1. The immunogen is located within the first 50 amino acids of Nanos1.
Isotype:	IgG
Purification:	Nanos1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	Nanos Homolog 1 (NANOS1)
Alternative Name:	Nanos1 (NANOS1 Products)
Background:	Nanos1 Antibody: Nanos1 is one of three known mammalian homologs to the Drosophila gene

Target Details

nanos. Nanos1 is an RNA-binding protein containing a zinc-finger motif and is expressed in the developing nervous system and continues in the adult brain. Interestingly, unlike mice deficient in either nanos2 or nanos3, mice lacking the nanos1 gene develop normally with no sign of abnormalities. Recently it has been found that expression of nanos1 mRNA is down-regulated by E-cadherin in a human breast cancer cell line and the amino-terminal domain on Nanos1 interacts with the E-cadherin-binding protein p120ctn. Furthermore, overexpression of Nanos1 in human colorectal DLD1 cancer cells functionally abolished cell-cell adhesion, allowing the cancer cells to develop strong migratory and invasive properties. These results suggest that targeting Nanos1 might prove an effective strategy in the treatment of E-cadherin-negative tumors.

Gene ID: 340719

UniProt: [Q8WY41](#)

Pathways: [Negative Regulation of Hormone Secretion, Myometrial Relaxation and Contraction](#)

Application Details

Application Notes: Nanos1 antibody can be used for detection of Nanos1 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Nanos1 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Handling

Storage Comment: Nanos1 antibody can be stored at 4°C for three months and -20°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.