Datasheet for ABIN7601767

anti-NUDT6 antibody (AA 45-303)

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Overview

Quantity:	100 µg
Target:	NUDT6
Binding Specificity:	AA 45-303
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NUDT6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Purpose:	Anti-NUDT6 Antibody Picoband®
Immunogen:	E.coli-derived human NUDT6 recombinant protein (Position: D45-K303).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-NUDT6 Antibody Picoband® (ABIN7601767). Tested in ELISA, IHC, WB applications. This antibody reacts with Human, Mouse Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	NUDT6
Alternative Name:	NUDT6 (NUDT6 Products)
Background:	Synonyms: Histone-lysine N-methyltransferase SETDB2, Chronic lymphocytic leukemia deletion region gene 8 protein, Lysine N-methyltransferase 1F, SET domain bifurcated 2, SETDB2, C13orf4, CLLD8, KMT1F Tissue Specificity: Highly expressed in reproductive organs, such as testis, ovary and prostate. Background: Nucleoside diphosphate-linked moiety X motif 6 is a protein that in humans is encoded by the NUDT6 gene. This gene overlaps and lies on the opposite strand from FGF2 gene, and is thought to be the FGF2 antisense gene. The two genes are independently transcribed, and their expression shows an inverse relationship, suggesting that this antisense transcript may regulate FGF2 expression. This gene has also been shown to have hormone-regulatory and antiproliferative actions in the pituitary that are independent of FGF2 expression. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	72 kDa
Gene ID:	11162
UniProt:	P53370

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Mouse ELISA, 0.1-0.5 µg/mL, - 1. Asa, S. L., Ramyar, L., Murphy, P. R., Li, A. W., Ezzat, S. The endogenous fibroblast growth factor-2 antisense gene product regulates pituitary cell growth and hormone production. Molec. Endocr. 15: 589-599, 2001. 2. Gagnon, M. L., Moy, G. K., Klagsbrun, M. Characterization of the promoter for the human antisense fibroblast growth factor-2 gene, regulation by Ets in Jurkat T cells. J. Cell. Biochem. 72: 492-506, 1999. 3. Murphy, P. R., Knee, R. S. Identification and characterization of an antisense RNA transcript (gfg) from the human basic fibroblast growth factor gene. Molec. Endocr. 8: 852-859, 1994.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.