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## Datasheet for ABIN6991178 **anti-JMJD1C antibody (N-Term)**

### Overview

Quantity:	0.1 mg
Target:	JMJD1C
Binding Specificity:	AA 380-430, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This JMJD1C antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

### Product Details

Immunogen:	JMJD1C antibody was raised against a 20 amino acid synthetic peptide from near the amino terminus of human JMJD1C. The immunogen is located within amino acids 380 - 430 of JMJD1C.
Isotype:	IgG
Specificity:	This antibody will not cross-react with JMJD1A or JMJD1B.
Purification:	JMJD1C Antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	JMJD1C
Alternative Name:	JMJD1C ( <a href="#">JMJD1C Products</a> )

## Target Details

Background:	JMJD1C Antibody: The jumonji domain containing 1C protein (JMJD1C) was initially discovered in silico, and later suggested to be a candidate gene for autism. Like the related proteins JMJD1A and JMJD1B, JMJD1C is a histone H3K9 demethylase implicated in the nuclear hormone receptor-based transcriptional regulation. JMJD1C mRNA is highly expressed in undifferentiated embryonic stem (ES) cells as well as pancreatic islet, diffuse-type gastric cancer, and other tissues and tumors. The JMJD1C gene promoter contain bHLH-, AP-1-, and POU5F1-binding sites, and as preferential expression of POU5F1 has been reported in ES cells, pancreatic islet, and diffuse-type gastric cancer, it has been suggested that POU5F1-mediated expression of JMJD1C reactivates previously silenced genes in ES cells and diffuse-type gastric cancer. At least three isoforms of JMJD1C are known to exist.
Gene ID:	221037
NCBI Accession:	<a href="#">NP_116165</a>
UniProt:	<a href="#">Q15652</a>
Pathways:	<a href="#">Nuclear Hormone Receptor Binding</a>

## Application Details

Application Notes:	JMJD1C antibody can be used for detection of JMJD1C by Western blot at 1 - 2 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 rat samples and Immunofluorescence in rat samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	JMJD1C 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.

## Handling

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Storage: -20 °C, 4 °C

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Storage Comment: JMJD1C 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.