

Rabbit JMJD1C Polyclonal Antibody | anti-JMJD1C antibody

JMJD1C Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40177	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

JMJD1C; Polyclonal Antibody; JMJD1C Antibody; TRIP8; JHDM2C; KIAA1380; Probable JmjC domain-containing histone demethylation protein 2C; Jumonji domain-containing protein 1C; TR-interacting protein 8; jumonji domain containing 1C; anti-JMJD1C antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	This antibody will not cross-react with JMJD1A or JMJD1B.
Purity/Purification	JMJD1C Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	2540
Applicable Applications for anti-JMJD1C antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	JMJD1C antibody was raised against a 20 amino acid synthetic peptide from near the amino terminus of human JMJD1C.
Buffer	JMJD1C Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	JMJD1C antibody can be stored at 4 degree C for three months and -20 degree 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.

IMAGES


IF (Immunofluorescence)

Immunofluorescence of JMJD1C in rat liver tissue with JMJD1C antibody at 20 &#956;g/mL.


IHC (Immunohistochemistry)

Immunohistochemistry of JMJD1C in rat liver tissue with JMJD1C antibody at 2.5 &#956;g/mL.



WB (Western Blot)

Western blot analysis of JMJD1C in human liver tissue lysate with JMJD1C antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-JMJD1C antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	118600981
NCBI GeneID	221037
NCBI Accession #	NP_116165
NCBI GenBank Nucleotide #	NM_032776.2
UniProt Accession #	Q15652; Q5SQZ8; Q5SQZ9; Q5SR00; Q7Z3E7; Q8N3U0; Q96KB9; Q9P2G7; A0T124
Molecular Weight	263,157 Da
NCBI Official Full Name	probable JmjC domain-containing histone demethylation protein 2C isoform a
NCBI Official Synonym Full Names	jumonji domain containing 1C
NCBI Official Symbol	JMJD1C
NCBI Official Synonym Symbols	TRIP8
NCBI Protein Information	probable JmjC domain-containing histone demethylation protein 2C; TRIP-8; TR-interacting protein 8; jumonji domain-containing protein 1C; thyroid hormone receptor interactor 8; thyroid receptor interacting protein 8; thyroid receptor-interacting protein 8
UniProt Protein Name	Probable JmjC domain-containing histone demethylation protein 2C
UniProt Gene Name	JMJD1C
UniProt Synonym Gene Names	JHDM2C; KIAA1380; TRIP8; TR-interacting protein 8; TRIP-8
UniProt Entry Name	JHD2C_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.