Datasheet for ABIN500078

anti-JMJD1C antibody (N-Term)

2 Images

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Overview

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

Product Details

Immunogen:	JMJD1C antibody was raised against a 20 amino acid peptide from near the amino terminus of human JMJD1C.
Isotype:	IgG
Specificity:	This antibody detects JMJD1C / TRIP8. It will not cross-react with JMJD1A or JMJD1B.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Peptide affinity chromatography

Target Details

Target:	JMJD1C

Target Details

Alternative Name:	JMJD1C / TRIP8 (JMJD1C Products)
Background:	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.Synonyms: JHDM2C, Jumonji domain-containing protein 1C, KIAA1380, Probable JmjC domain-containing histone demethylation protein 2C, Thyroid receptor-interacting protein 8
Gene ID:	221037
NCBI Accession:	NP_116165
UniProt:	Q15652
Pathways:	Nuclear Hormone Receptor Binding

Application Details

Application Notes:	ELISA. Western blot: 1 - 2 µg/mL. Immunohistochemistry on paraffin sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

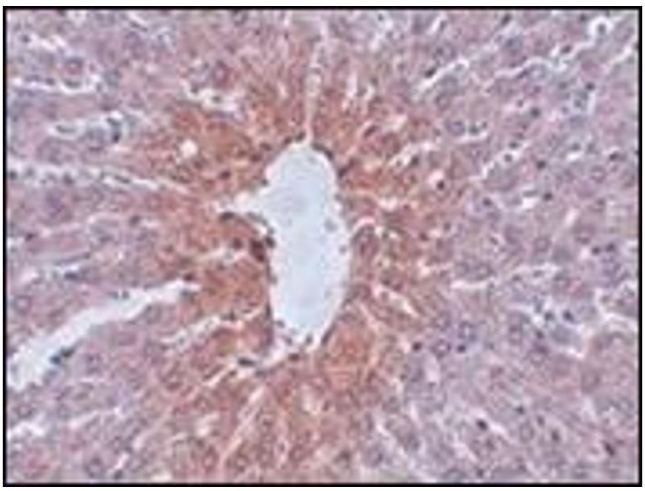
Handling

Buffer:	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 Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C

Handling

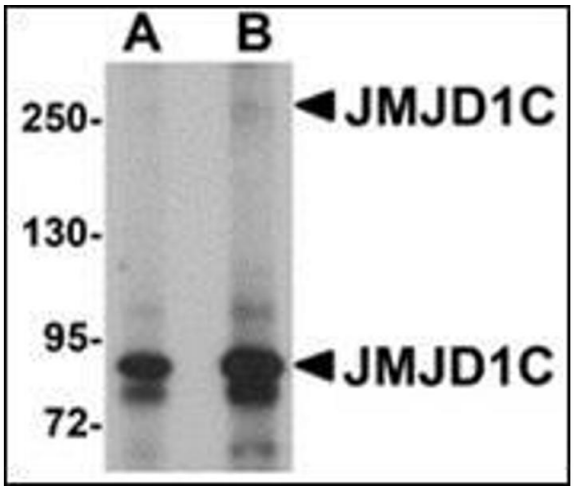
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of JMJD1C in rat liver tissue with this product at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of JMJD1C in human liver tissue lysate with this product at (A) 1 and (B) 2 µg/ml.