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Datasheet for 600-401-CC0

JMJD5 Antibody

Overview

Description:	Anti-JMJD5 (RABBIT) Antibody - 600-401-CC0
Item No.:	600-401-CC0
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The jumonji domain-containing protein (JMJD) family is defined by the presence of the JmjC domain that is observed in several diverse species. While several JMJD proteins have been identified as being involved in chromatin regulation, histone demethylation and development, the function of JMJD5 has not been identified. JMJD5 is expressed in multiple tissues.
Synonyms:	JMJD5 Antibody, JMJD5, JMJD5, Lysine-specific demethylase 8, JmjC domain-containing protein 5, Bifunctional peptidase and arginyl-hydroxylase JMJD5, Jumonji C domain-containing protein 5, L-arginine (3R)-hydroxylase KDM8
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	KDM8
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-JMJD5 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide from near the C-terminus of human JMJD5.

Purity/Specificity:	Anti-JMJD5 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with JMJD5 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q8N371 • GeneID - 79831 • NCBI - NP_001138820

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-JMJD5 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 47 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
IHC:	2.5 µg/mL
WB:	1-2 µg/mL

Formulation

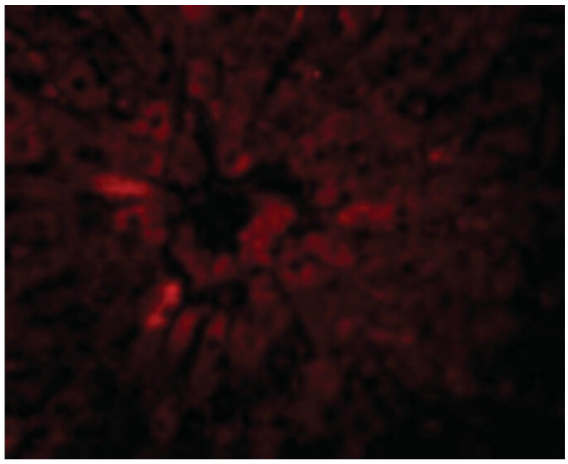
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

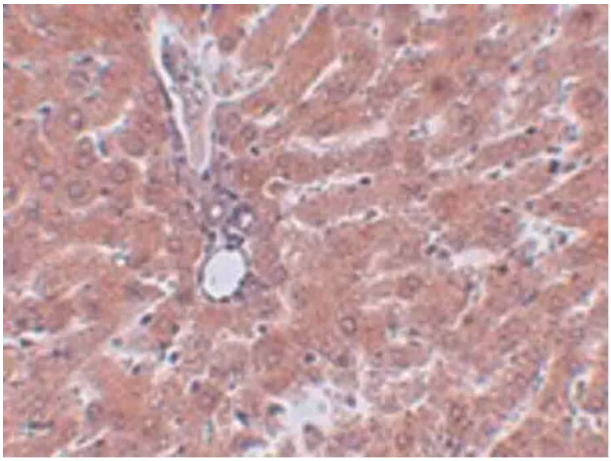
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

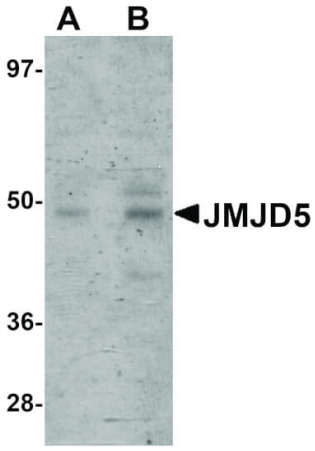
Images



Immunofluorescence Microscopy
Immunofluorescence Microscopy of JMJD5 antibody. Tissue: rat liver tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: JMJD5 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: JMJD5 is nuclear. Staining: JMJD5 as red fluorescent signal.



Immunohistochemistry
Immunohistochemistry of JMJD5 antibody. Tissue: rat liver tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: JMJD5 antibody at 2.5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: JMJD5 is nuclear. Staining: JMJD5 as precipitated brown signal with purple nuclear counterstain.



Western Blot

Western Blot of JMJD5 antibody. Lane 1: human spleen tissue lysate with JMJD5 antibody at 1 µg/mL. Lane 2: human spleen tissue lysate with JMJD5 antibody at 2 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 47 kDa, 47 kDa for JMJD5. Other band(s): JMJD5 splice variants and isoforms.

Disclaimer

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