

Datasheet for 600-401-CC1**JMJD6 Antibody****Overview**

Description:	Anti-JMJD6 (RABBIT) Antibody - 600-401-CC1
Item No.:	600-401-CC1
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. JMJD6 was initially identified as a membrane protein that participates in phagocytosis but recent studies have shown that it has other functions when it is expressed in the cytosol and nucleus. JMJD6 is thought to play important roles in regulation of development and differentiation as knockdown experiments in mice resulted in neonatal lethality with severe defects in the morphology of numerous organs. JMJD6 also can catalyze the lysyl-hydroxylation of U2AF65, a protein involved with RNA splicing, suggesting that some of the functions attributed to JMJD6 may be due to its regulatory activity of RNA splicing.
Synonyms:	JMJD6 Antibody, PSR, PTDSR, PTDSR1, KIAA0585, Bifunctional arginine demethylase and lysyl-hydroxylase JMJD6, Histone arginine demethylase JMJD6, Protein PTDSR
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	JMJD6
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-JMJD6 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide from near the N-terminus of human JMJD6.
Purity/Specificity:	Anti-JMJD6 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with JMJD6 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q6NYC1 • GeneID - 23210 • NCBI - Q6NYC1

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-JMJD6 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 46 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:	2.5 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

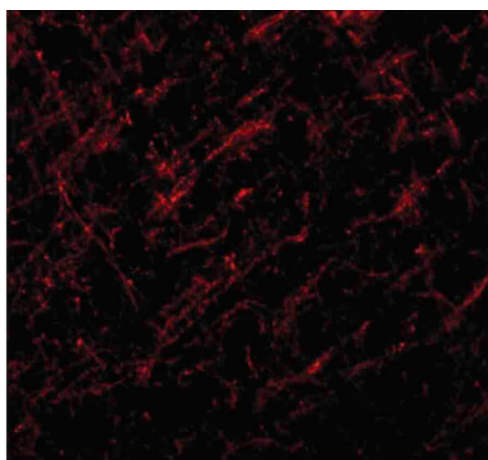
Shipping & Handling

Shipping Condition:	Dry Ice
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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.

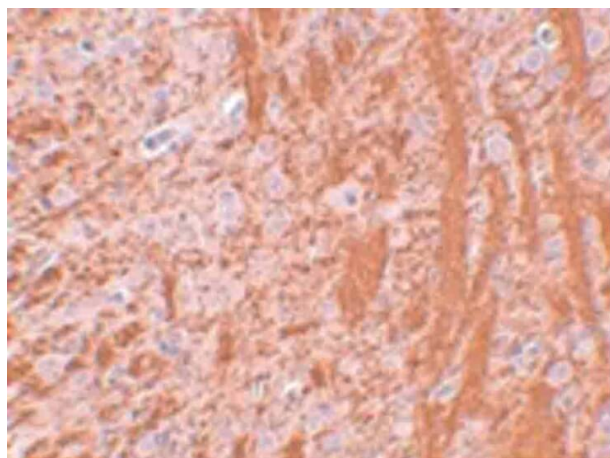
Expiration: Expiration date is one (1) year from date of receipt.

Images



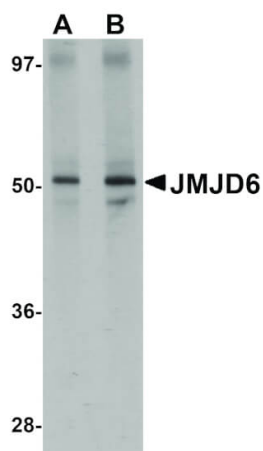
Immunofluorescence Microscopy

Immunofluorescence Microscopy of JMJD6 antibody.
Tissue: rat brain tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: JMJD6 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: JMJD6 is nuclear. Staining: JMJD6 as red fluorescent signal.



Immunohistochemistry

Immunohistochemistry of JMJD6 antibody. Tissue: rat brain tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: JMJD6 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: JMJD6 is nuclear. Staining: JMJD6 as precipitated brown signal with purple nuclear counterstain.



Western Blot

Western Blot of JMJD5 antibody. Lane 1: human brain tissue lysate with JMJD6 antibody at 1 μ g/mL. Lane 2: human brain tissue lysate with JMJD6 antibody at 2 μ g/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: 46 kDa, 51 kDa for JMJD6.

Other band(s): JMJD6 splice variants and isoforms.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.