

Datasheet for ABIN6655941
anti-KDM5C antibody



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2 Images

Overview

Quantity:	100 µL
Target:	KDM5C
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KDM5C antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Purpose:	JARID1C Antibody
Immunogen:	Anti-JARID1C Antibody was produced in rabbits by repeated immunizations with three different synthetic peptides containing sequences from the inner part of the mouse Jarid1c protein.
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity with Jarid1c from other species not tested.
Purification:	Anti-Jarid1c Antibody is monospecific antiserum processed by delipidation and defibrination followed by sterile filtration.
Sterility:	Sterile filtered

Target Details

Target:	KDM5C
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Target Details

Alternative Name: [Jarid1c \(KDM5C Products\)](#)

Background: Synonyms: Lysine-specific demethylase 5C, Histone demethylase JARID1C, Jumonji/ARID domain-containing protein 1C, Protein SmcX, Protein Xe169, DXS1272E, JARID1C, SMCX, XE169

Background: Jarid1c is a histone demethylase which specifically demethylates lysine 4 of histone H3, thereby playing a internal role in the regulation of transcription and chromatin remodelling. Jarid1c demethylates the trimethylated and dimethylated lysine 4, but not the monomethylated form. Further, Jarid1c participates in transcriptional repression of neuronal genes by recruiting histone deacetylases and REST at neuron-restrictive silencer elements. Mutations in the Jarid1c gene have been associated with X-linked mental retardation. Anti-Jarid1c Antibody is ideal for research in Epigenetics, Gene Expression and Neuroscience.

Gene Name: KDM5C

Gene ID: 8242

NCBI Accession: [NP_001140174](#)

UniProt: [P41229](#)

Pathways: [Warburg Effect](#)

Application Details

Application Notes: ELISA_Dilution: 1:500
Western_Blot_Dilution: 1:1,000

Comment: Anti-JARID1C Antibody has been tested by ELISA and Western Blots. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 175 kDa in the appropriate cell lysate or extract.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Buffer: None
Stabilizer: None
Preservative: 0.05 % (w/v) Sodium Azide

Preservative: Sodium azide

Handling

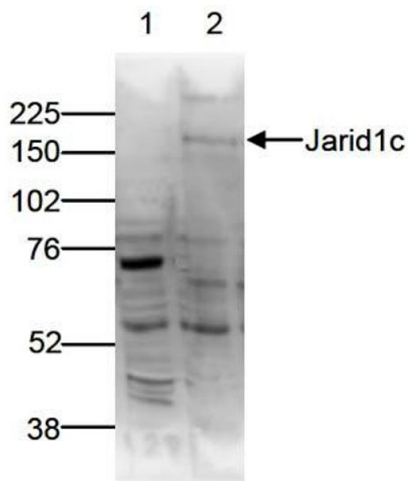
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: 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.

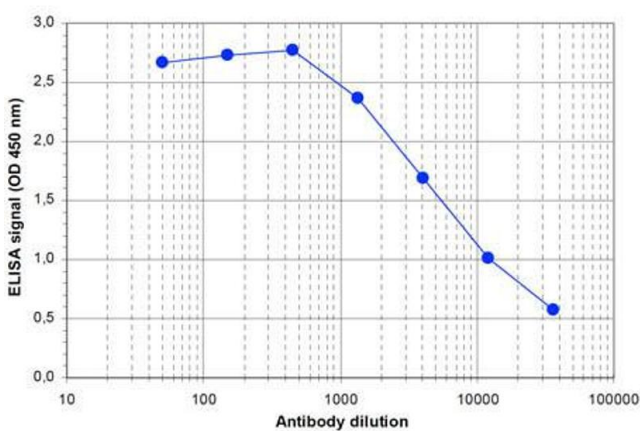
Expiry Date: 12 months

Images



Western Blotting

Image 1. Western Blot of anti-Jarid1c antibody Western Blot results of Rabbit anti-Jarid1c antibody. Load: HeLa nuclear extract lysates 40 µg per lane. Primary antibody: Lane 1: Preimmune antiserum, Lane 2: Anti-Jarid1c antibody, both at 1:1,000 for overnight at 4°C. Secondary antibody: goat anti-rabbit HRP secondary antibody at 1:10,000 for 45 min at RT. Block: 5% Biotin/TBST overnight at 4°C. Predicted: 175kDa. Lane 1 confirms that the additional bands at approximately 55 and 80 kDa are also present in the preimmune serum.



ELISA

Image 2. ELISA of anti-Jarid1c antibody ELISA results of Rabbit anti-Jarid1c antibody. Antigen: BSA conjugated Jarid1c. Coating amount: 0.1 µg per well. Dilution series: serial dilution. Estimated Antibody Titer to be 1:7,000. Substrate: TMB .