.-online.com antibodies

Datasheet for ABIN2669679 **KDM3B Protein (DYKDDDDK Tag)**

2 Images



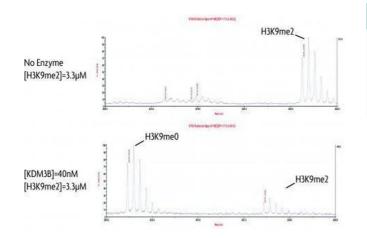
Overview

Quantity:	20 µg
Target:	KDM3B
Origin:	Human
Source:	Baculovirus
Protein Type:	Recombinant
Purification tag / Conjugate:	This KDM3B protein is labelled with DYKDDDDK Tag.
Application:	Enzyme Activity Assay (EAA), Screening Assay (ScA)
Product Details	
Characteristics:	Recombinant JMJD1B / KDM3B (accession number NP_057688.2) was expressed in Sf9 cells
	and contains an N-terminal FLAG tag with a molecular weight of 193.4 kDa.
Target Details	
Target:	KDM3B
Alternative Name:	JMJD1B / KDM3B (KDM3B Products)
Background:	Lysine (K)-specific demethylase 3B (KDM3B), also known as Jumonji domain-containing
	protein 1B (JMJD1B), is a histone demethylase that specifically demethylates lysine 9 of
	histone H3 (H3K9), thereby playing a central role in defining the histone code. Demethylation of
	lysine residues generates formaldehyde and succinate. KDM3B may have tumor suppressor
	activity.
Molecular Weight:	193.4 kDa

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN2669679 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

Target Details	
Pathways:	Warburg Effect
Application Details	
Application Notes:	Recombinant JMJD1B / KDM3B is suitable for use in the study of enzyme kinetics, inhibitor screening, and selectivity profiling. Specific Activity: H3K9me2 demethylase. Histone Demethylase Assay Conditions: 50 mM HEPES pH 7.5, 0.02 % Triton X100, 100 µM 2OG, 100 µ M Ascorbate, 50 µM (NH4)2Fe(SO4)2•6H2O, 1 mM TCEP, 40 nM Recombinant JMJD1B / KDM3B protein, and 3.3 µM H3K9me2 (aa 1-21) peptide at 2 hours at room temperature. MALDI-TOF was used for detection.
Restrictions:	For Research Use only
Handling	
Handling Advice:	Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
Storage:	-80 °C
Storage Comment:	Recombinant proteins in solution are temperature sensitive and must be stored at -80°C to prevent degradation.

Images

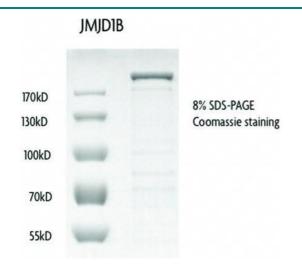


Activity Assay

Image 1. JMJD1B / KDM3B activity assay. Recombinant JMJD1B / KDM3B activity measured using a demethylation assay. MALDI-TOF was used for detection.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN2669679 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

Images



Western Blotting

Image 2. Recombinant JMJD1B / KDM3B protein gel. JMJD1B / KDM3B protein was run on an SDS-PAGE gel and stained with Coomassie blue.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/3 | Product datasheet for ABIN2669679 | 09/11/2023 | Copyright antibodies-online. All rights reserved.