

# JMJD1B Polyclonal Antibody Cy5 Conjugated

Catalog No: #C04954Cy5

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## Description

Product Name	JMJD1B Polyclonal Antibody Cy5 Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF(IHC-P)
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human JMJD1B
Conjugates	Cy5
Target Name	JMJD1B
Other Names	JHDM2B; JmjC domain containing histone demethylation protein 2B; JmjC domain-containing histone demethylation protein 2B ; jmj1b; Jumonji domain containing protein 1B; JUMONJI DOMAIN-CONTAINING PROTEIN 1B ; KDM3B; KDM3B_HUMAN; Lysine-specific demethylase 3B; Nuclear protein 5qNCA.
Accession No.	NCBI Gene ID:51780
Concentration	1mg ml
Formulation	Aqueous buffered solution containing 1% BSA, 50% glycerol and 0.09% sodium azide.
Storage	Store at 4C for 12 months.

## Application Details

IF:1:50-200

## Background

JMJD1B (jumonji domain containing 1B), also known as KDM3B, 5qNCA (5q Nuclear Co-Activator) or C5orf7, is a member of the JHDM2 histone demethylase family of proteins. Expressed in a wide variety of tissues, JMJD1B localizes to the nucleus and contains one JMJC domain and a C-terminal zinc finger motif. JMJD1B functions as a histone demethylase and, using iron as a cofactor, demethylates lysine-9 of Histone H3. This suggests that JMJD1B plays a central role in the histone code. The gene encoding human JMJD1B is located within the 5q region of the genome that is often deleted in myeloid leukemias and myelodysplasias. This implies that JMJD1B may function as a tumor suppressor of myeloid leukemia. Ectopic expression of JMJD1B exhibits growth suppressive activities, further supporting a role for JMJD1B in tumor suppression.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.