

Datasheet for ABIN6241759  
**anti-JMJD6 antibody (N-Term)**

## 2 Images

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## Overview

Quantity:	100 µL
Target:	JMJD6
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This JMJD6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Recombinant Protein
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## Target Details

Target:	JMJD6
Alternative Name:	JMJD6 ( <a href="#">JMJD6 Products</a> )
Background:	Dioxygenase that can both act as a histone arginine demethylase and a lysyl-hydroxylase. Acts as a lysyl-hydroxylase that catalyzes 5-hydroxylation on specific lysine residues of target proteins such as U2AF2/U2AF65 and LUC7L2. Acts as a regulator of RNA splicing by mediating 5-hydroxylation of U2AF2/U2AF65, affecting the pre-mRNA splicing activity of U2AF2/U2AF65. In addition to peptidyl-lysine 5-dioxygenase activity, may act as an RNA hydroxylase, as suggested by its ability to bind single strand RNA. Also acts as an arginine demethylase which

## Target Details

demethylates histone H3 at 'Arg-2' (H3R2me) and histone H4 at 'Arg-3' (H4R3me), thereby playing a role in histone code. However, histone arginine demethylation may not constitute the primary activity in vivo. Has no histone lysine demethylase activity. Required for differentiation of multiple organs during embryogenesis. Acts as a key regulator of hematopoietic differentiation: required for angiogenic sprouting by regulating the pre-mRNA splicing activity of U2AF2/U2AF65. Seems to be necessary for the regulation of macrophage cytokine responses.

UniProt: [Q6NYC1](#)

## Application Details

Application Notes: WB: 1:1000. ICC: 1:200

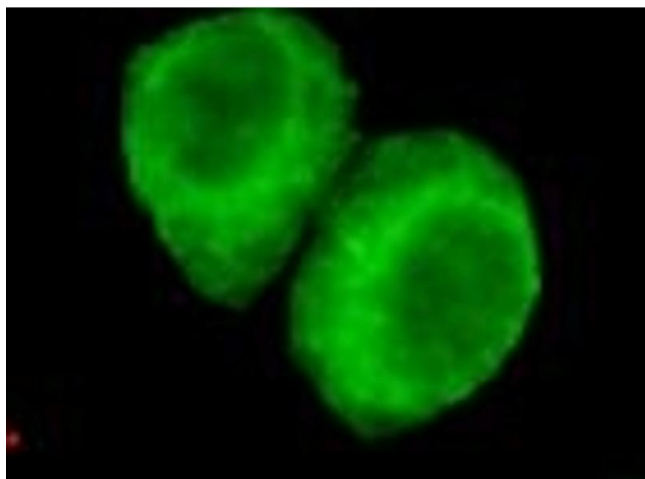
Restrictions: For Research Use only

## Handling

Format: Liquid

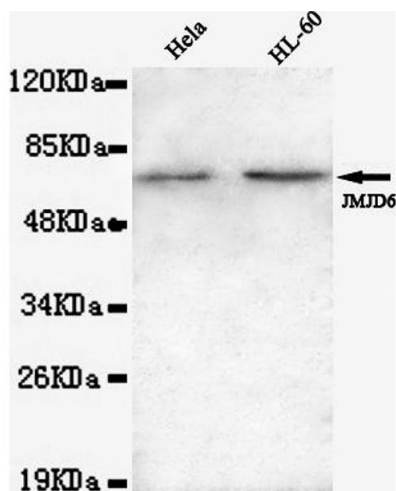
Storage: 4 °C, -20 °C

## Images



### Immunocytochemistry

**Image 1.** Immunocytochemistry of HeLa cells using anti-JMJD6(N-terminus) mouse mAb diluted 1:200.



Western Blotting

**Image 2.** Western blot detection of JMJD6(N-terminus) in HeLa and HL-60 lysates using JMJD6(N-terminus) mouse mAb (1:1000 diluted).Predicted band size: 46KDa.Observed band size: 62KDa.