

# Anti-JMJD6 antibody ab65770

[2 References](#) [1 图像](#)

### 概述

产品名称	Anti-JMJD6抗体
描述	兔多克隆抗体to JMJD6
宿主	Rabbit
经测试应用	适用于: WB, IP
种属反应性	与反应: Human
免疫原	Synthetic peptide, corresponding to amino acids 5-248 of Human JMJD6
阳性对照	Nuclear extracts of HeLa cells.

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Constituent: Whole serum
纯度	Whole antiserum
克隆	多克隆
同种型	IgG

### 应用

**The Abpromise guarantee** **Abpromise™** 承诺保证使用ab65770于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/1000. Detects a band of approximately 65 kDa (predicted molecular weight: 46 kDa).
IP		Use at an assay dependent dilution.

## 靶标

### 功能

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 a RNA hydroxylase, as suggested by its ability to bind single strand RNA. Also acts as an arginine demethylase which 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.

### 组织特异性

Highly expressed in the heart, skeletal muscle and kidney. Expressed at moderate or low level in brain, placenta, lung, liver, pancreas, spleen, thymus, prostate, testis and ovary. Up-regulated in many patients with chronic pancreatitis. Expressed in nursing thymic epithelial cells.

### 序列相似性

Belongs to the JMJD6 family.  
Contains 1 JmjC domain.

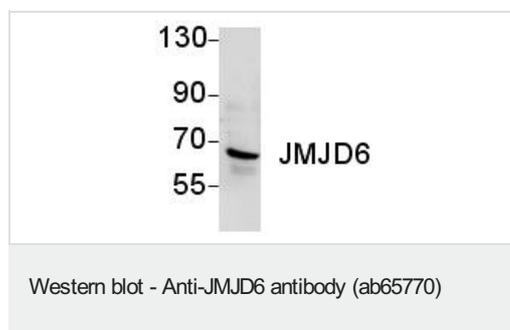
### 结构域

The nuclear localization signal motifs are necessary and sufficient to target it into the nucleus.

### 细胞定位

Nucleus > nucleoplasm. Nucleus > nucleolus. Mainly found throughout the nucleoplasm outside of regions containing heterochromatic DNA, with some localization in nucleolus. During mitosis, excluded from the nucleus and reappears in the telophase of the cell cycle.

## 图片



Anti-JMJD6 antibody (ab65770) at 1/1000 dilution + Nuclear extracts of HeLa cells

**Predicted band size:** 46 kDa

**Observed band size:** 65 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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