

## 11-8060: Polyclonal Antibody to JMJD5

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	KDM8
<b>Gene ID :</b>	79831
<b>Uniprot ID :</b>	Q8N371
<b>Format :</b>	Purified
<b>Alternative Name :</b>	KDM8, JMJD5
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	A partial length recombinant JMJD5 protein (amino acids 20-220) was used as the immunogen for this antibody.

### Description

JMJD5 (Jumonji domain-containing protein 5) or commonly called as Lysine-specific demethylase 8 is a histone lysine demethylase that specifically demethylates dimethylated Lys 36 of histone H3 (H3K36me2) thereby activating the target gene. JMJD5 is important for G2/M phase cell cycle progression. JMJD5 is also a potential tumor suppression protein. JMJD5 helps in regulation of cancer proliferation by regulating cyclin-A1. JMJD5 has three isoforms (47, 24, 50 kDa), all localized in nucleus. JMJD5 is weakly expressed in most normal cells but highly expressed in breast cancer cells.

### Product Info

<b>Amount :</b>	25 µg / 100 µg
<b>Purification :</b>	Protein A Chromatography
<b>Content :</b>	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Western blot analysis: 2-4 µg/ml

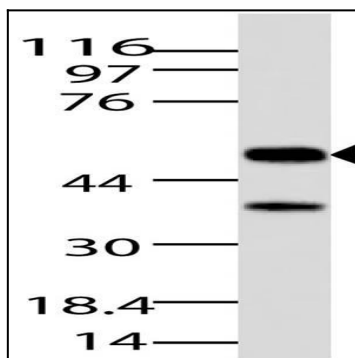


Fig-1: Western blot analysis of JMJD5. Anti-JMJD5 antibody (11-8060) was used at 4 µg/ml on Brain lysate.