

## KDM4C rabbit pAb

<b>Catalog No :</b>	YT6999
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC
<b>Target :</b>	KDM4C
<b>Gene Name :</b>	KDM4C GASC1 JHDM3C JMJD2C KIAA0780
<b>Protein Name :</b>	KDM4C
<b>Human Gene Id :</b>	23081
<b>Human Swiss Prot No :</b>	Q9H3R0
<b>Mouse Gene Id :</b>	76804
<b>Mouse Swiss Prot No :</b>	Q8VCD7
<b>Immunogen :</b>	Synthesized peptide derived from human KDM4C AA range: 737-787
<b>Specificity :</b>	This antibody detects endogenous levels of KDM4C at Human/Mouse
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000;IHC 1:50-300
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Molecularweight :** 116kD

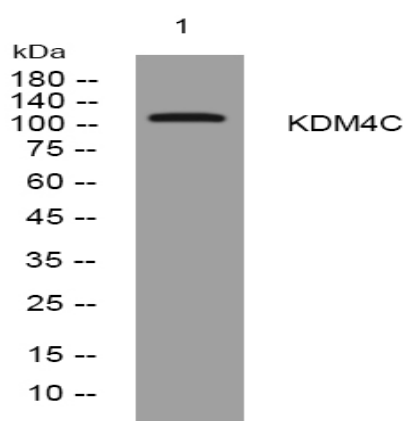
**Background :** This gene is a member of the Jumonji domain 2 (JMJD2) family. The encoded protein is a trimethylation-specific demethylase, and converts specific trimethylated histone residues to the dimethylated form. This enzymatic action regulates gene expression and chromosome segregation. Chromosomal aberrations and changes in expression of this gene may be found in tumor cells. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015],

**Function :** cofactor: Binds 1 Fe(2+) ion per subunit., domain: The 2 Tudor domains recognize and bind methylated histones. Double Tudor domain has an interdigitated structure and the unusual fold is required for its ability to bind methylated histone tails., function: Histone demethylase that specifically demethylates 'Lys-9' and 'Lys-36' residues of histone H3, thereby playing a central role in histone code. Does not demethylate histone H3 'Lys-4', H3 'Lys-27' nor H4 'Lys-20'. Demethylates trimethylated H3 'Lys-9' and H3 'Lys-36' residue, while it has no activity on mono- and dimethylated residues. Demethylation of Lys residue generates formaldehyde and succinate., similarity: Belongs to the JHDM3 histone demethylase family., similarity: Contains 1 JmjC domain., similarity: Contains 1 JmjN domain., similarity: Contains 2 PHD-type zinc fingers., similarity: Contains 2 Tudor domains., tissue specificity: Overexpressed

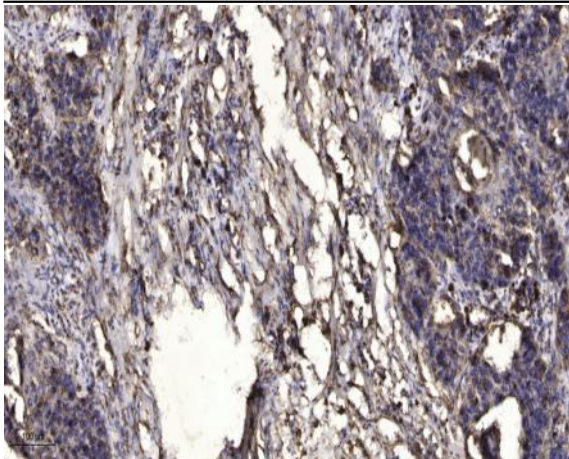
**Subcellular Location :** Nucleus .

**Expression :** Overexpressed in several esophageal squamous cell carcinomas (ESCs).

## Products Images



Western blot analysis of lysates from 293T cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).