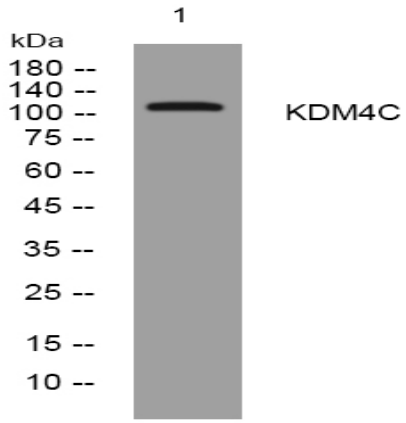
Best Tools for immunology Research

KDM4C rabbit pAb

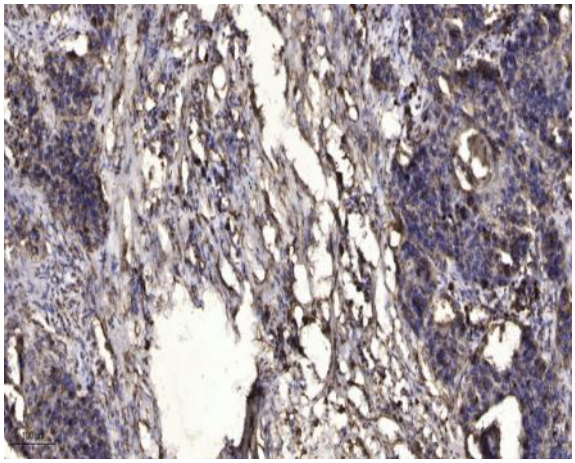
Catalog No :	YT6999
Reactivity :	Human;Mouse
Applications :	WB;IHC
Target :	KDM4C
Gene Name :	KDM4C GASC1 JHDM3C JMJD2C KIAA0780
Protein Name :	KDM4C
Human Gene Id :	23081
Human Swiss Prot No :	Q9H3R0
Mouse Gene Id :	76804
Mouse Swiss Prot No :	Q8VCD7
Immunogen :	Synthesized peptide derived from human KDM4C AA range: 737-787
Specificity :	This antibody detects endogenous levels of KDM4C at Human/Mouse
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-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:Overexpresse
Subcellular Location :	Nucleus .
Expression :	Overexpressed in several esophageal squamous cell carcinomas (ESCs).
Sort :	8881
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

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).