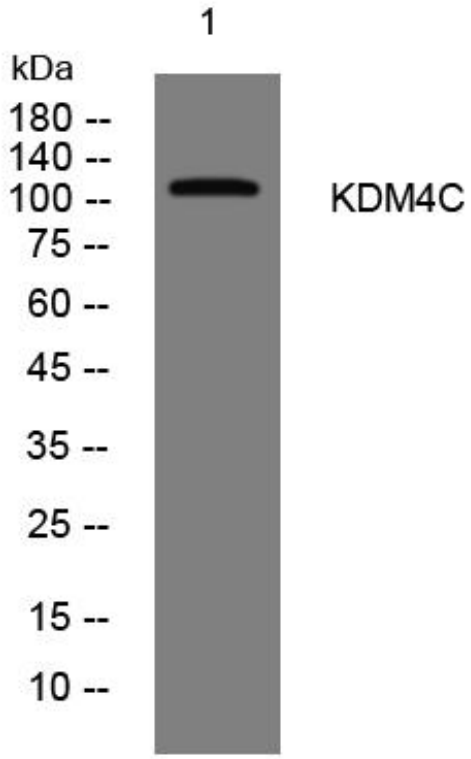
KDM4C mouse mAb

Catalog No	BYmab-11634
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	KDM4C GASC1 JHDM3C JMJD2C KIAA0780
Protein Name	KDM4C
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	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	Nucleus .
Tissue Specificity	Overexpressed in several esophageal squamous cell carcinomas (ESCs).
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

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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using KDM4C mouse mAb