Recombinant DGRmAb®

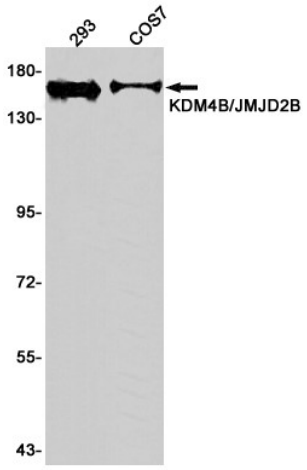
KDM4B/JMJD2B (DGR12982) Rabbit mAb

db12931 **Package : 10μL 20μL 50μL 100μL**

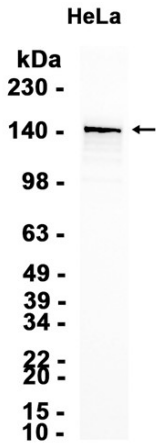
Product Name : KDM4B/JMJD2B (DGR12982) Rabbit mAb
Cat.No.: db12931
Synonyms : JMJD2B; TDRD14B
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	Histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a role in histone code. Does not demethylate histone H3 'Lys-4', H3 'Lys-27', H3 'Lys-36' nor H4 'Lys-20'. Only able to demethylate trimethylated H3 'Lys-9', with a weaker activity than KDM4A, KDM4C and KDM4D. Demethylation of Lys residue generates formaldehyde and succinate.
Immunogen	A synthetic peptide of human KDM4B/JMJD2B
Gene ID	23030
Swiss Prot	O94953
Synonyms	JMJD2B; TDRD14B
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, FC, IP
Recommended dilution	WB: 1:1000-1:5000 IHC-P: 1:100 ICC/IF: 1:200-1:1000 FC: 1:200-1:1000 IP: 1:200-1:1000
Calculated MW	122 kDa
Observed MW	150 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR12982
Isotype	IgG

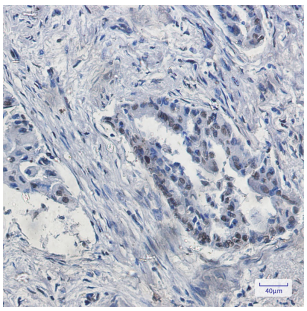
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



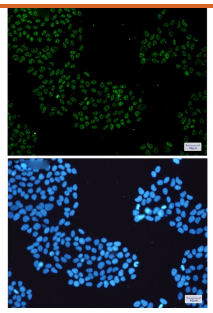
Western blot analysis of extracts from 293 and COS-7 cells using db12931 at 1:1000.



Western blot analysis of extracts from HeLa, HepG2, HCT116, and A431 cells using db12931 at 1:1000.



Immunohistochemical analysis of paraffin-embedded human lung cancer using db12931 antibody.



Immunofluorescence analysis of HeLa cells labelling KDM4B/JMJD2B with db12931.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db12931 (1:200) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.