Recombinant DGRmAb®

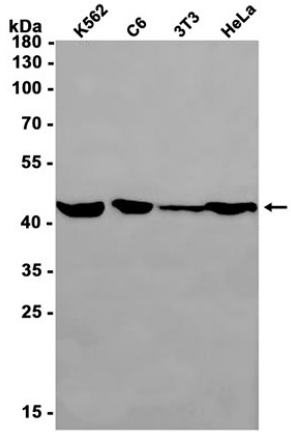
KAT1 (DGR19782) Rabbit mAb

db12046 **Package : 10μL 20μL 50μL 100μL**

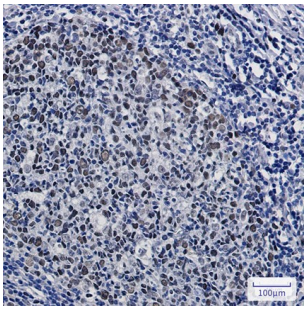
Product Name : KAT1 (DGR19782) Rabbit mAb
Cat.No.: db12046
Synonyms : KAT1
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	The protein encoded by this gene is a type B histone acetyltransferase (HAT) that is involved in the rapid acetylation of newly synthesized cytoplasmic histones, which are in turn imported into the nucleus for de novo deposition onto nascent DNA chains. Histone acetylation, particularly of histone H4, plays an important role in replication-dependent chromatin assembly. Specifically, this HAT can acetylate soluble but not nucleosomal histone H4 at lysines 5 and 12, and to a lesser degree, histone H2A at lysine 5. Alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq, Jun 2009]
Immunogen	Recombinant protein of human KAT1
Gene ID	8520
Swiss Prot	O14929
Synonyms	KAT1
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, FC, IP
Recommended dilution	WB: 1:1000 IHC-P: 1:200-1:500 ICC/IF: 1:200-1:500 FC: 1:100 IP: 1:50
Calculated MW	50 kDa
Observed MW	45 kDa
Host species	Rabbit
Clonality	Monoclonal

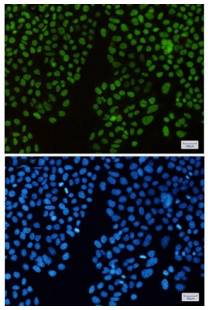
Clonality No.	DGR19782
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



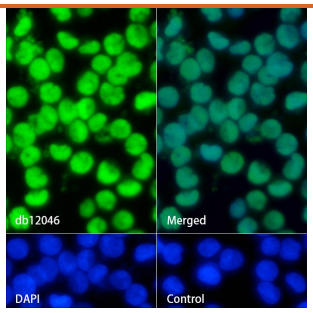
Western blot analysis of extracts from K562, C6, 3T3, and HeLa cells using db12046 at 1:1000.



Immunohistochemical analysis of paraffin-embedded human tonsil using db12046 antibody.



Immunofluorescent analysis of HeLa cells using db12046 antibody (green), and DAPI (blue).



Immunofluorescence analysis of K562 cells labelling KAT1 with db12046.

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 db12046 (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.