Recombinant DGRmAb®

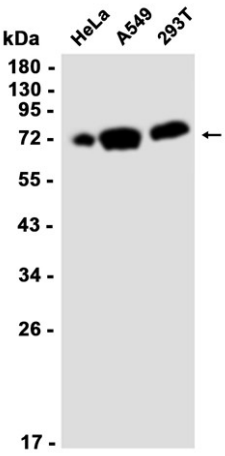
KAT7 (DGR32553) Rabbit mAb

db13014 **Package : 10μL 20μL 50μL 100μL**

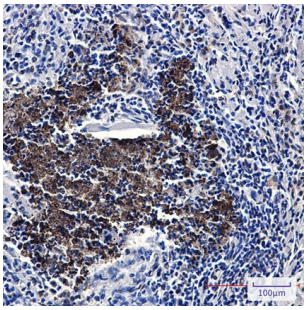
Product Name : KAT7 (DGR32553) Rabbit mAb
Cat.No.: db13014
Synonyms : HBO1; HBOA; MYST2; ZC2HC7
Application : WB, IHC-P, ICC/IF, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	The protein encoded by this gene is part of the multimeric HBO1 complex, which possesses histone H4-specific acetyltransferase activity. This activity is required for functional replication origins and is involved in transcriptional activation of some genes. In both cases, the acetylation of histone H4 helps unfold chromatin so that the DNA can be accessed and replicated or transcribed. [provided by RefSeq, Oct 2016]
Immunogen	Recombinant protein of human KAT7/Hbo1/MYST2
Gene ID	11143
Swiss Prot	O95251
Synonyms	HBO1; HBOA; MYST2; ZC2HC7
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, IP
Recommended dilution	WB: 1:1000-1:5000 IHC-P: 1:100-1:200 ICC/IF: 1:500-1:2000 IP: 1:50
Calculated MW	71 kDa
Observed MW	71 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR32553
Isotype	IgG

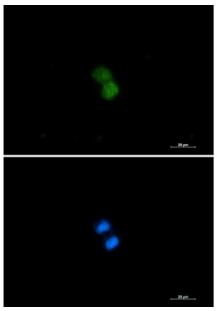
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



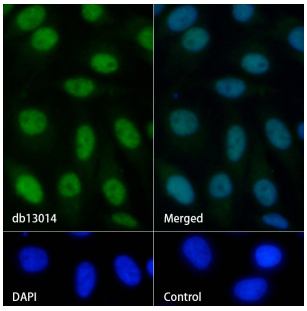
Western blot analysis of extracts from HeLa, A549, 293T cells using db13014 at 1:1000.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using db13014 antibody.



Immunofluorescent analysis of HCT116 cells using db13014 antibody (green), and DAPI (blue).



Immunofluorescence analysis of HeLa cells labelling KAT7 with db13014.

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 db13014 (1:500) 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.