

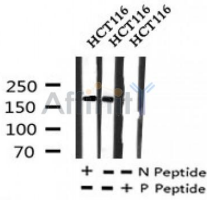
Phospho-DNMT1 (Ser84) Ab

Cat.#: AF7277
Size: 50ul,100ul,200ul

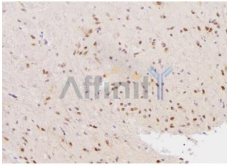
Concn.: 1mg/ml
Source: Rabbit

Mol.Wt.: 183kDa
Clonality: Polyclonal

Application:	WB 1:500-1:2000, IHC 1:50-1:200
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-DNMT1 (Ser84) Ab detects endogenous levels of DNMT1 only when phosphorylated at Ser84
Immunogen:	A synthesized peptide derived from human DNMT1 around the phosphorylation site of Ser84
Uniprot:	P26358
Subcellular Location:	Nucleus.
Tissue Specificity:	Ubiquitous; highly expressed in fetal tissues, heart, kidney, placenta, peripheral blood mononuclear cells, and expressed at lower levels in spleen, lung, brain, small intestine, colon, liver, and skeletal muscle. Isoform 2 is less expressed than isoform 1.
Similarity:	The N-terminal part is required for homodimerization and acts as a regulatory domain.The CXXC-type zinc finger specifically binds to unmethylated CpG dinucleotides, positioning the autoinhibitory linker between the DNA and the active site, thus providing a mechanism to ensure that only hemimethylated CpG dinucleotides undergo methylation.Belongs to the class I-like SAM-binding methyltransferase superfamily. C5-methyltransferase family.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt



Western blot analysis of Phospho-DNMT1 (Ser84) in lysates of HCT116, using Phospho-DNMT1 (Ser84) Ab(AF7277).



AF7277 at 1/100 staining rat brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

IMPORTANT: For western blot, incubate membrane with diluted Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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