



SIRT7 rabbit pAb

货号	BYab-17955
同位型	IgG
应用	WB
种属	Human;Mouse;Rat
靶点	SIRT7
基因名称	SIRT7 SIR2L7
蛋白名称	NAD-dependent protein deacetylase sirtuin-7 (EC 3.5.1.-) (Regulatory protein SIR2 homolog 7) (SIR2-like protein 7)
免疫原	Synthesized peptide derived from human SIRT7
特异性	This antibody detects endogenous levels of SIRT7 at Human, Mouse,Rat
组成	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
来源	Polyclonal, Rabbit,IgG
稀释	WB 1:500-2000
纯化工艺	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
分子量	44kD
功能	NAD-dependent protein-lysine deacylase that can act both as a deacetylase or deacylase (desuccinylase, depropionylase and deglutarylase), depending on the context . Specifically mediates deacetylation of histone H3 at 'Lys-18' (H3K18Ac) . In contrast to other histone deacetylases, displays strong preference for a specific histone mark, H3K18Ac, directly linked to control of gene expression . H3K18Ac is mainly present around the transcription start site of genes and has been linked to activation of nuclear hormone receptors; SIRT7 thereby acts as a transcription repressor . Moreover, H3K18 hypoacetylation has been reported as a marker of malignancy in various cancers and seems to maintain the transformed phenotype of cancer cells . Also able to mediate deacetylation of histone H3 at 'Lys-36' (H3K36Ac) in the context of nucleosomes . Also mediates deacetylation of non-histone proteins, su
细胞定位	Nucleus, nucleolus . Nucleus, nucleoplasm . Chromosome . Cytoplasm . Mainly localizes in the nucleolus and nucleoplasm (PubMed:24207024, PubMed:28886238, PubMed:28790157, PubMed:31075303). Associated with rDNA promoter and transcribed region (PubMed:16079181, PubMed:19174463). Associated with nucleolar organizer regions during mitosis (PubMed:16079181, PubMed:19174463). In response to stress, released from nucleolus to nucleoplasm (PubMed:24207024). Associated with chromatin (PubMed:22722849). In response to DNA damage, recruited to DNA double-strand breaks (DSBs) sites (PubMed:27436229) (Probable). Located close to the nuclear membrane when in the cytoplasm (PubMed:11953824). .

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浓度	1 mg/ml
储存	-15°C to -25°C/1 year(Do not lower than -25°C)
有关注意事项	Avoid repeated freezing and thawing!
使用建议	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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