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Anti-SIRT1 Rabbit mAb [01F80]

Catalog No.: A52300

Basic Information

Catalog No. (Cat.No.)	A52300
Host species	Rabbit
Reactivity	Human,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	SIRT1,Sirtuin 1,SIR2 homolog 1,NAD-dependent deacetylase Sir2-related protein

Product Information

Target	SIRT1
Molecular Weight(Calculated)	81 kDa
Molecular Weight(Observed)	130 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	01F80
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:100-1:200
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Sirtuin-1
Gene Name	*SIRT1*
Domain	NA
Background	SIRT1 (Sirtuin-1) is NAD+-dependent class-III histone-deacetylase family protein catalyzing deacetylation of histones and non-histone substrates to govern senescence, metabolism, DNA-damage response and inflammation. Predominantly nuclear-localized, SIRT1 consumes NAD+ co-factor to erase acetyl-modifications from histones, p53, FOXO, NF-κB and other targets, regulating transcription, cell-cycle control, DNA repair and lipid-glucose homeostasis. SIRT1 senses cellular NAD+ status and mediates metabolic outputs linked to caloric restriction and ageing. It displays context-dependent tumor-suppressive or oncogenic roles in malignancies.