

	<h1>SET Rabbit pAb</h1>	E 2 5 1 1 1 2 6
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Swiss-Prot No.:	Q01105
Altername:	SET
Storage/Stability:	Store at -20°C. Avoid freeze / thaw cycles.
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 146-277 of human SET (NP_003002.2).
Purification:	Affinity purified
Reactivity:	Human,Mouse,Rat
Other Names:	2PP2A; IGAAD; TAF-I; I2PP2A; IPP2A2; PHAPII; TAF-IBET A
Cellular localization:	Cytoplasm, Endoplasmic reticulum, Nucleus
Relevance:	Multitasking protein, involved in apoptosis, transcription, nucleosome assembly and histone chaperoning. Isoform 2 anti-apoptotic activity is mediated by inhibition of the GZMA-activated DNase, NME1. In the course of cytotoxic T-lymphocyte (CTL)-induced apoptosis, GZMA cleaves SET, disrupting its binding to NME1 and releasing NME1 inhibition. Isoform 1 and isoform 2 are potent inhibitors of protein phosphatase 2A. Isoform 1 and isoform 2 inhibit EP300/CREBBP and PCAF-mediated acetylation of histones (HAT) and nucleosomes, most probably by masking the accessibility of lysines of histones to the acetylases. The

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	predominant target for inhibition is histone H4. HAT inhibition leads to silencing of HAT-dependent transcription and prevents active demethylation of DNA. Both isoforms stimulate DNA replication of the adenovirus genome complexed with viral core proteins; however, isoform 2 specific activity is higher.
Source:	Rabbit
Antibody type:	Polyclonal antibody
Isotype:	Rabbit IgG
Molecular Weight:	34kDa
Preservative:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Recommended Dilutions:	WB 1:500 - 1:2000; IHC 1:50 - 1:200(Optimal dilutions should be determined by the end user)