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Anti-Sumo 1 Rabbit mAb [05G57]

Catalog No.: A52330

Basic Information

Catalog No. (Cat.No.)	A52330
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Synonyms	Sumo 1,SUMO-1,SMT3C,SUMI,small ubiquitin-like modifier 1

Product Information

Target	Sumo 1
Molecular Weight(Calculated)	12 kDa
Molecular Weight(Observed)	80 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	05G57
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	1:2000-1:10000
IHC	1:2000-1:10000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Small ubiquitin-like modifier-1
Gene Name	*SUMO1*
Domain	NA
Background	SUMO1 (Small ubiquitin-like modifier 1) belongs to SUMO-family of ubiquitin-like modifiers mediating SUMOylation post-translational modification to regulate transcription, nuclear trafficking, DNA-damage repair and protein stability. Through E1/E2/E3 enzymatic cascade, SUMO1 covalently conjugates to lysine residues of target substrates, reshaping protein-protein interaction, subcellular localization and molecular activity. SUMO-1 predominantly mediates mono-SUMOylation rather than poly-SUMO-chains. It participates in PML-body biogenesis and modulates numerous transcription factors including p53 and SP1; de-SUMOylation is catalyzed by SENP proteases. Dysregulated SUMO circuitry is linked to malignancy and neurodegeneration.