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Drosophila SUMO Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1287a

Product Information

Application	IF, E
Primary Accession	O97102
Reactivity	Human, Drosophila
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB3486
Calculated MW	10124

Additional Information

Gene ID	33981
Other Names	CG4494-PA; LD07775p; Smt3; Ubiquitin-like protein SMT3
Target/Specificity	This Drosophila SUMO antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of Drosophila SUMO1.
Dilution	IF~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Drosophila SUMO Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	O97102
Cellular Location	Nucleus {ECO:0000256|RuleBase:RU361190}.

Background

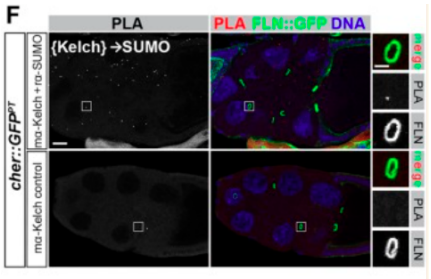
Covalent modification of target lysines by SUMO (small ubiquitin-like modifier) modulates processes such as

protein localization, transcription, nuclear transport, mitosis, DNA replication and repair, signal transduction, and viral reproduction. SUMO does not seem to be involved in protein degradation and may in fact function as an antagonist of ubiquitin in the degradation process. In the development of Drosophila, SUMO plays a maternal role in anterior-posterior (A/P) polarity and patterning.

References

Muller S, et al., Nat Rev Mol Cell Biol. 2001 2(3):202-10 Review. Hochstrasser M. Cell. 2001 107(1):5-8. Review. Kahyo T, et al., Mol Cell. 2001 Sep;8(3):713-8. Yeh ET, et al., Gene. 2000 May 2;248(1-2):1-14. Review. Keane,M.M., et al., Oncogene 18 (22), 3365-3375 (1999)

Images



通过与 PLA-DNA 产物结合的荧光探针可见 PLA信号的存在。使用抗体的抗体“反应显示在右边,底部的面板作为阴性对照

Citations

- Proximity labeling reveals novel interactomes in live Drosophila tissue.
- Nuclear structure and chromosome segregation in Drosophila male meiosis depend on the ubiquitin ligase dTopors.