



POLYCLONAL ANTIBODY

For research use only. Not for clinical diagnosis.

Catalog No. NIG-L1-SHA1

Anti dSSRP1

BACKGROUND

dSSRP1 is a *Drosophila* counterpart of the FACT subunit. FACT consists of a heterodimer of SSRP1 and SPT16 and was identified as a factor that facilitates chromatin transcription *in vitro*. Further studies revealed that the factor also facilitates various chromatin transactions such as transcriptional regulation, DNA replication and histone replacement. The antibodies against dSSRP1 are powerful tool for Western blot analyses, immunostaining, immunoprecipitation and chromatin immunoprecipitation in studies using *Drosophila*.

Product type	Polyclonal antibodies
Host	Rabbit
Source	Serum
Form	Liquid
Volume	100 μ l
Concentration	
Specificity	dSSRP1
Antigen	Bacterially expressed N-terminal region of dSSRP1 (amino acid residues 1-420)
Isotype	IgG

Application notes WB, IHC, ELISA, IP, ChIP

Recommended use

Recommended dilutions

Western blotting, 1/4,000 to 1/8,000

(Predicted molecular weight)

93kDa

Immunohistochemistry, 1/500 to 1/2,000

ELISA, 1/4,000 to 1/10,000

Immunoprecipitation, 0.5 to 2ul

Chromatin immunoprecipitation, 1 to 4ul

Optimal dilutions/concentrations should be determined by the end user.

Staining Pattern

The antibodies stain nuclei of embryos, larval, pupal and adult tissues.

In the adult oocytes, a highly phosphorylated inactive form is deposited in the cytoplasm.

Cross reactivity *Drosophila*

Storage Store at 4°C for a short time (below -70°C for prolonged storage)

Aliquot to avoid cycles of freeze/thaw

References

1) Shimojima, T. et al. *Drosophila* FACT contributes to *Hox* gene expression through physical and functional interactions with GAGA factor.



Genes & Dev. 17,1605-1616, 2003

- 2) Saunders, A. et al. Tracking FACT and RNA Polymerase II Elongation Complex Through Chromatin in Vivo. Science, 301, 1094-1096, 2003
- 3) Nakayama, T. et al. *Drosophila* GAGA factor directs histone H3.3 replacement that prevents the heterochromatin spreading. Genes & Dev. 21, 552-561, 2007

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