



**POLYCLONAL ANTIBODY**

*For research use only. Not for clinical diagnosis.*

**Catalog No. NIG-L1-SHA2**

# Anti dSPT16

## BACKGROUND

dSPT16 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 dSPT16 are powerful tool for Western blot analyses, immunostaining, immunoprecipitation and chromatin immunoprecipitation in studies using *Drosophila*.

<b>Product type</b>	Polyclonal antibodies
<b>Host</b>	Rabbit
<b>Source</b>	Serum
<b>Form</b>	Liquid
<b>Volume</b>	
<b>Concentration</b>	
<b>Specificity</b>	dSPT16
<b>Antigen</b>	Bacterially expressed N-terminal region of dSPT16 (amino acid residues 1-309)
<b>Isotype</b>	IgG

**Application notes** WB, IHC, ELISA, IP, ChIP

### Recommended use

#### Recommended dilutions

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

(Predicted molecular weight)

130kDa

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, an 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

*For research use only. Not for clinical diagnosis.*



COSMO BIO Co., LTD.

Inspiration for Life Science

TOYO 2CHOME, KOTO-KU, TOKYO, 135-0016, JAPAN

URL: <http://www.cosmobio.co.jp>

e-mail: [export@cosmobio.co.jp](mailto:export@cosmobio.co.jp)

[Outside Japan] Phone : +81-3-5632-9617

[国内連絡先] Phone : +81-3-5632-9610

FAX : +81-3-5632-9618

FAX : +81-3-5632-9619