



Technical Data Sheet

Diagenode sa

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Product name:
antibody directed against dRtf1
(drosophila Rtf1)

Catalog #: pAb-018-050	Type: Polyclonal	Size: 50 µg/ 28 µl
Lot #: 001	Source: Rabbit	Concentration: 1.8 µg/µl

Description: This antibody has been raised against the full length recombinant drosophila Rtf1 protein.
PAF is a five-subunit protein complex composed of Paf1, Cdc73, Leo1, **Rtf1** and Ctr9, which was first purified from yeast in association with RNA polymerase II and which is believed to function in transcription elongation [1]. See overview below.

Specificity: Drosophila: positive
Other species: not tested

Applications	Suggested dilution	References
ELISA	Not tested	
Dot blotting	Not tested	
Western blotting	1:1000	Fig 1
Gel Supershift	Not tested	
Immunochemistry	-	[2]
Flow cytometry	Not tested	
Immunoprecipitation	Not tested	
ChIP	Not tested	

Format: In solution in PBS including 0.05% azide and 0.05% ProClin 300. The polyclonal antibody has been protein G purified.

Storage: For long storage, store at -20°C/ -80°C. Do not freeze-thaw.

Precautions: This product is for research use only. Not for use in diagnostic or therapeutic procedures.

References:

- [1]. Rondon A.G., Gallardo M., Garcia-Rubio M. and Aguilera A. 2004 *EMBO Rep.* 5(1):47-53.
[2]. Adelman K., Wei W., Ardehali M.B., Werner J., Zhu B., Reinberg D. and Lis J.T. 2006. *Mol Cell Biol.* 26:250-60.

[3]. Zhu B., Mandal S.S., Pham A.D., Zheng Y., Erdjument-Bromage H., Batra S.K., Tempst P. and Reinberg D. 2005 *Genes Dev.* 19:1668-73.

Availability date: March 2, 2007. Last data sheet update: March 19, 2007

Lot #: 001/ bleed day: 2nd bleed/ purification day: March 01, 2007

Figure 1:



Western blot analysis using the antibody from Diagenode anti-dRtf1

Drosophila larva whole cell extract (WCE) and drosophila adult whole cell extract (WCE) were analysed by Western blot using the antibody directed against dRtf1 (Diagenode, cat# pAb-018-050), used at dilution 1:1000. Size and location of the protein are indicated.

Overview

The yeast PAF (yPAF) complex interacts with RNA polymerase II and coordinates the setting of histone marks associated with active transcription. The isolation and functional characterization of the human PAF (hPAF) complex was reported. hPAF shares four subunits with yPAF (hCtr9, hPaf1, hLeo1, and hCdc73), but contains a novel higher eukaryotic-specific subunit, hSki8 [3]. In addition to coordinating events during transcription (initiation, promoter clearance, and elongation), hPAF also coordinates events in RNA quality control [3].