



## Technical Data Sheet

Diagenode sa

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**Product name:**  
antibody directed against dCdc73  
**(drosophila Cdc73)**

<b>Catalog #:</b> pAb-019-050	<b>Type:</b> Polyclonal	<b>Size:</b> 50 µg/ 25 µl
<b>Lot #:</b> 001	<b>Source:</b> Rabbit	<b>Concentration:</b> 2.0 µg/µl

**Description:** This antibody has been raised against the full length recombinant drosophila Cdc73 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 and human: 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	Not tested	
Flow cytometry	Not tested	
Immunoprecipitation	Not tested	
ChIP	-	[2]

**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:

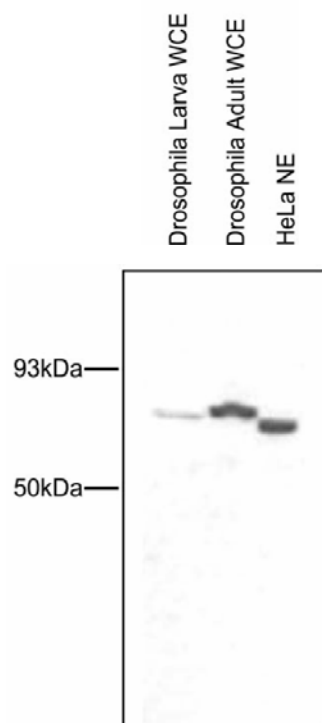
- [1]. Rondon A.G., Gallardo M., Garcia-Rubio M. and Aguilera A. 2004 *EMBO Rep.* 5(1):47-53.  
[2]. Adelman K., Wei W., Ardehali M.B., Werner J., Zhu B., Reinberg D. and Lis J.T. 2006. *Mol Cell Biol.* 26:250-60.

[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 16, 2007. Last data sheet update: March 19, 2007

**Lot #:** 001/ bleed day: 2<sup>nd</sup> bleed/ purification day: March 6, 2007

**Figure 1:**



**Western blot analysis using the antibody from Diagenode anti-dCdc73**

Drosophila larva whole cell extract (WCE), drosophila adult whole cell extract (WCE) and HeLa nuclear extract (NE) were analysed by Western blot using the antibody directed against dCdc73 (Diagenode, cat# pAb-019-050), used at dilution 1:1000. On the left side, a molecular weight marker is shown.

**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].