

**Diagenode sa**

CHU, Tour GIGA B34, 3<sup>e</sup> étage  
Avenue de l'Hôpital, 1  
4000 Liège - Belgium

**Product name:**

antibody directed against hp53K372me1  
(Human Cellular tumor antigen p53  
methylated on lysine 372)

**Other names:** Tumor suppressor p53,  
Phosphoprotein p53, Antigen NY-CO-13, TP53

<b>Catalog #:</b> pAb-048-050	<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 p53 methylated at K372 using a synthetic peptide that contains a methylation of this lysine residue.

**Specificity:** Human: positive  
Other species: not tested

Applications	Suggested dilution	References
ELISA	Not tested	
Dot blotting	Not tested	
Western blotting	1:200	Fig 1
Gel Supershift	Not tested	
Immunocytochemistry	Not tested	
Flow cytometry	Not tested	
Immunoprecipitation	Not tested	
ChIP	Not tested	

**Format:** Polyclonal, protein G purified, antibody in PBS containing 0.05% azide and 0.05% ProClin 300.

**Storage:** Store at -20°C/ -80°C. Avoid multiple freeze-thaw cycles.

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

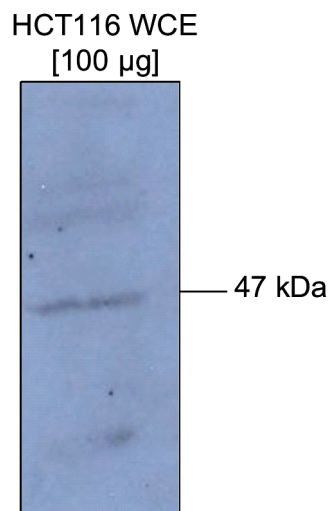
**References:**

[1]. Chuikov S., Kurash J.K., Wilson J.R., Xiao B., Justin N., Ivanov G.S., McKinney K., Tempst P., Prives C., Gambelin S.J., Barlev N.A. and Reinberg D. 2004. *Nature*. 432:353-60.

**Availability date:** April 4, 2008. Last data sheet update: April 04, 2008

**Lot #:** 001/ purification date: April 16, 2007

**Figure 1**



**Western blot analysis using the Diagenode antibody anti- hp53K372me1**

Western blot was performed using 100 µg Colon carcinoma whole cell extract (HCT116 WCE) and the Diagenode purified antibody anti-p53K372me1 (cat# pAb-048-050), diluted 1:200 in TBS-Tween containing 5% skimmed milk. The size and location of the protein of interest is indicated (Figure 1, kindly provided by Liu Xiangyu, Health Science Center, Peking University, China)

**Overview**

p53 (UniProt/Swiss-Prot entry P04637) is a tumour suppressor that regulates the cellular response to genotoxic stresses. p53 is a short-lived protein which is activated and stabilized via different post-translational modifications. One of these modifications, methylation of lysine 372 has been shown to positively affect the stability of p53 (1).