

**Diagenode sa**

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**Product name:**  
antibody directed against hWDR5

(human WD (tryptophan-aspartate) Repeat domain 5)

<b>Catalog #:</b> pAb-027-050	<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 recombinant human WDR5.

WDR5 is a member of the WD (tryptophan-aspartate) repeat protein family (see overview below).

**Specificity:** 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	Not tested	

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

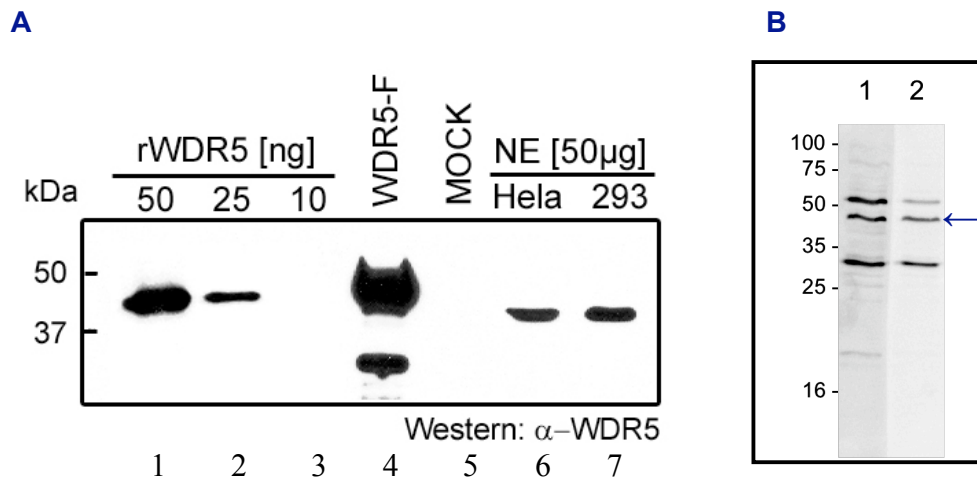
**Storage:** For long storage, store at -20°C/ -80°C. Avoid multiple freeze-thaw cycles.

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

**Availability date:** March 23, 2007. Last data sheet update: June 18, 2007

**Lot #:** 001/ purification day: March 22, 2007

**Figure 1:**



### Western blot analysis using the Diagenode antibody anti-hWDR5

**Panel A:** Western blot was performed using crude serum directed against WDR5 (1:1000) in TBS-Tween + 5% skimmed milk. The antibody recognizes the immunogen (lanes 1-3). The antibody also recognizes ectopically expressed FLAG-tagged WDR5 (WDR5-F) which was first immunoprecipitated with anti-FLAG antibody and then analysed by western blot (lane 4). The antibody recognizes a protein of correct size in nuclear extracts from HeLa (lane 6) and HEK293 cells (lane 7). Mock (lane 5) is used as negative control. On the left side a molecular weight marker is shown (in kDa).

**Panel B:** HeLa nuclear extract (HeLa NE, [20 µg]) was analysed by Western blot using the Diagenode purified antibody anti-hWDR5 (cat# pAb-027-050) (lane 2) and the antiserum anti-hWDR5 (lane 1) at a dilution of 1:1000 in TBS-Tween + 5% skimmed milk (lane 2). The arrow indicates the protein of interest. On the left side a molecular weight marker is shown (in kDa).

### Overview

WD (tryptophan-aspartate) repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-aspartate (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. This protein contains 7 WD repeats. Alternatively spliced transcript variants encoding the same protein have been identified (NCBI: GeneID: 11091).