

**WDR5 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5416**

**Specification**

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**WDR5 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P61964</a>
Other Accession	<a href="#">Q9V3J8</a> , <a href="#">Q498M4</a> , <a href="#">P61965</a> , <a href="#">Q2KIG2</a>
Reactivity	Human, Mouse
Predicted	Bovine, Rat, Drosophila
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=37;M=37;R=37 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

**WDR5 Antibody (C-term) - Additional Information**

**Gene ID** 11091

**Antigen Region**  
321-354

**Other Names**

WD repeat-containing protein 5, BMP2-induced 3-kb gene protein, WDR5, BIG3

**Dilution**

WB~~1:1000

**Target/Specificity**

This WDR5 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 321-354 amino acids from the C-terminal region of human WDR5.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

WDR5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**WDR5 Antibody (C-term) - Protein Information**

**Name** WDR5

**Synonyms** BIG3

### Function

Contributes to histone modification (PubMed: [16600877](http://www.uniprot.org/citations/16600877) </a>, PubMed: [16829960](http://www.uniprot.org/citations/16829960) </a>, PubMed: [19103755](http://www.uniprot.org/citations/19103755) </a>, PubMed: [19131338](http://www.uniprot.org/citations/19131338) </a>, PubMed: [19556245](http://www.uniprot.org/citations/19556245) </a>, PubMed: [20018852](http://www.uniprot.org/citations/20018852) </a>). May position the N-terminus of histone H3 for efficient trimethylation at 'Lys-4' (PubMed: [16829960](http://www.uniprot.org/citations/16829960) </a>). As part of the MLL1/MLL complex it is involved in methylation and dimethylation at 'Lys-4' of histone H3 (PubMed: [19556245](http://www.uniprot.org/citations/19556245) </a>). H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation (PubMed: [18840606](http://www.uniprot.org/citations/18840606) </a>). As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues (PubMed: [19103755](http://www.uniprot.org/citations/19103755) </a>, PubMed: [20018852](http://www.uniprot.org/citations/20018852) </a>). May regulate osteoblasts differentiation (By similarity). In association with RBBP5 and ASH2L, stimulates the histone methyltransferase activities of KMT2A, KMT2B, KMT2C, KMT2D, SETD1A and SETD1B (PubMed: [21220120](http://www.uniprot.org/citations/21220120) </a>, PubMed: [22266653](http://www.uniprot.org/citations/22266653) </a>).

### Cellular Location

Nucleus

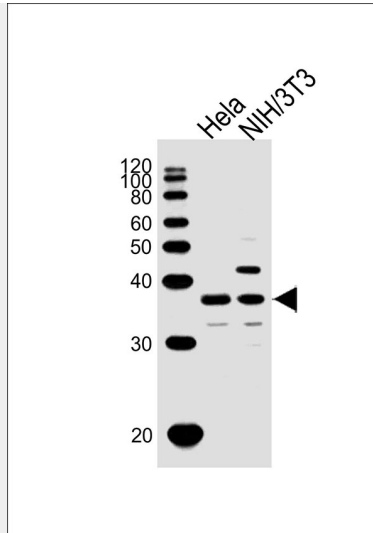
### WDR5 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### WDR5 Antibody (C-term) - Images





All lanes : Anti-WDR5 Antibody (C-term) at 1:1000 dilution Lane 1: HeLa whole cell lysates Lane 2: NIH/3T3 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 37 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

#### **WDR5 Antibody (C-term) - Background**

Contributes to histone modification. May position the N- terminus of histone H3 for efficient trimethylation at &apos;Lys-4&apos;. As part of the MLL1/MLL complex it is involved in methylation and dimethylation at &apos;Lys-4&apos; of histone H3. H3 &apos;Lys-4&apos; methylation represents a specific tag for epigenetic transcriptional activation. As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues. May regulate osteoblasts differentiation.

#### **WDR5 Antibody (C-term) - References**

Young J.M.,et al.Submitted (SEP-1998) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Wysocka J.,et al.Genes Dev. 17:896-911(2003).  
Hughes C.M.,et al.Mol. Cell 13:587-597(2004).  
Yokoyama A.,et al.Mol. Cell. Biol. 24:5639-5649(2004).