

**WDR5 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21036c****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	Mouse
Predicted	Bovine, Rat, Drosophila
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	36588

**WDR5 Antibody (C-term) - Additional Information****Gene ID** 11091**Other Names**

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

**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.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**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](#), PubMed:[16829960](#), PubMed:[19103755](#), PubMed:[19131338](#), PubMed:[19556245](#), PubMed:[20018852](#)). May position the N-terminus of histone H3 for efficient trimethylation at 'Lys-4' (PubMed:[16829960](#)). As part of the MLL1/MLL complex it is involved in methylation and dimethylation at 'Lys-4' of histone H3 (PubMed:[19556245](#)). H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation (PubMed:[18840606](#)). As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues (PubMed:[19103755](#), PubMed:[20018852](#)). 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](#), PubMed:[22266653](#)).

#### **Cellular Location**

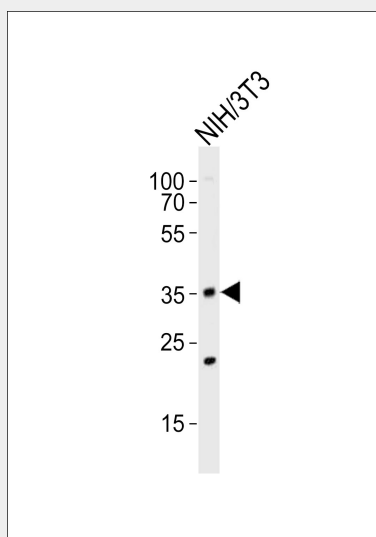
Nucleus

#### **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**



Western blot analysis of lysate from mouse NIH/3T3 cell line, using WDR5 Antibody (C-term)(Cat. #AP21036c). AP21036c was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

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

Contributes to histone modification. May position the N- terminus of histone H3 for efficient trimethylation at 'Lys-4'. As part of the MLL1/MLL complex it is involved in methylation and

dimethylation at 'Lys-4' of histone H3. H3 'Lys-4' 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).