

WDR5 Antibody
Rabbit mAb
Catalog # AP91600

Specification

WDR5 Antibody - Product Information

| | |
|--------------------|------------------------|
| Application | WB, IHC, FC |
| Primary Accession | P61964 |
| Reactivity | Rat |
| Clonality | Monoclonal |
| Other Names | |
| BIG3; SWD3; Wdr5; | |
| Isotype | Rabbit IgG |
| Host | Rabbit |
| Calculated MW | 36588 Da |

WDR5 Antibody - Additional Information

| | |
|------------------------------|---|
| Purification | Affinity-chromatography |
| Immunogen | A synthesized peptide derived from human WDR5 |
| Description | 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. |
| Storage Condition and Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

WDR5 Antibody - Protein Information

Name WDR5

Synonyms BIG3

Function

Contributes to histone modification (PubMed: [16600877](http://www.uniprot.org/citations/16600877) target="_blank">16600877, PubMed: [16829960](http://www.uniprot.org/citations/16829960) target="_blank">16829960, PubMed: [19103755](http://www.uniprot.org/citations/19103755) target="_blank">19103755, PubMed: [19131338](http://www.uniprot.org/citations/19131338) target="_blank">19131338, PubMed: [19556245](http://www.uniprot.org/citations/19556245) target="_blank">19556245, PubMed: [20018852](http://www.uniprot.org/citations/20018852) target="_blank">20018852)

target="_blank">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

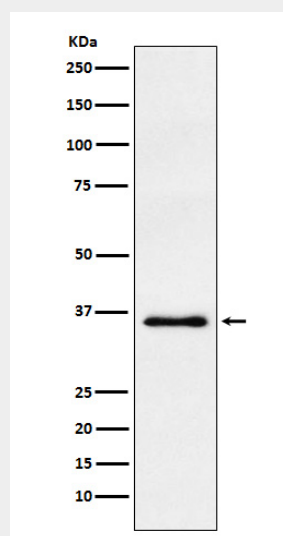
Nucleus

WDR5 Antibody - 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 - Images



Western blot analysis of WDR5 expression in HeLa cell lysate.