

## WDR5 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP20951c

## Specification

# WDR5 Antibody (C-term) - Product Information

Application Primary Accession Other Accession Reactivity Predicted Host Clonality Isotype Calculated MW WB,E <u>P61964</u> <u>O9V3J8</u>, <u>O498M4</u>, <u>P61965</u>, <u>O2KIG2</u> Human, Mouse Bovine, Rat, Drosophila Rabbit Polyclonal Rabbit IgG 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

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:<u>16600877</u>, PubMed:<u>16829960</u>, PubMed:<u>19103755</u>, PubMed:<u>19131338</u>, PubMed:<u>19556245</u>, PubMed:<u>20018852</u>). May position the N-terminus of histone H3 for efficient trimethylation at 'Lys-4' (PubMed:<u>16829960</u>). As part of the MLL1/MLL complex it is involved in methylation and dimethylation at 'Lys-4' of histone H3 (PubMed:<u>19556245</u>). H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation (PubMed:<u>18840606</u>). As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues (PubMed:<u>19103755</u>, PubMed:<u>20018852</u>). 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:<u>21220120</u>, PubMed:<u>22266653</u>).

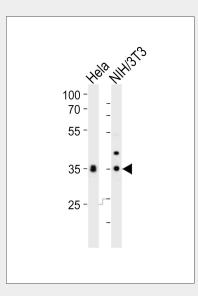
Cellular Location Nucleus

# 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 Cytomety
- <u>Cell Culture</u>

WDR5 Antibody (C-term) - Images



Western blot analysis of lysates from Hela, mouse NIH/3T3 cell line (from left to right), using WDR5 Antibody (C-term)(Cat. #AP20951c). AP20951c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

## 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).