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WDR5 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20951c

Specification

WDR5 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P61964
Other Accession	Q9V3J8, Q498M4, P61965, Q2KIG2
Reactivity	**Human, 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

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).

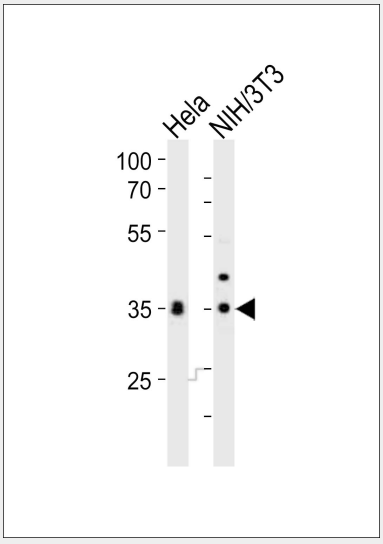
Cellular Location
Nucleus

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 Cytomety
- Cell Culture

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).