

WDR5 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21036c**Specification**

WDR5 Antibody (C-term) - Product Information

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

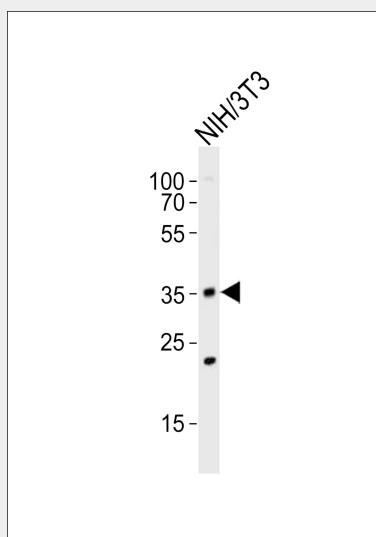
Nucleus

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).