

WDR5 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS15619**Specification**

WDR5 Antibody (N-Terminus) - Product Information

Application	IHC, ICC, IF
Primary Accession	P61964
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37kDa KDa

WDR5 Antibody (N-Terminus) - Additional Information**Gene ID** 11091**Other Names**

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

Target/Specificity

Human WDR5. WDR5 antibody is human specific. WDR5 antibody is predicted to not cross-react with other WDR family members.

Reconstitution & Storage

Store at -20°C. Aliquot to avoid freeze/thaw cycles.

Precautions

WDR5 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

WDR5 Antibody (N-Terminus) - Protein Information**Name** WDR5**Synonyms** BIG3**Function**

Contributes to histone modification (PubMed: [19131338](http://www.uniprot.org/citations/19131338) target="_blank">19131338, PubMed: [19556245](http://www.uniprot.org/citations/19556245) target="_blank">19556245, PubMed: [19103755](http://www.uniprot.org/citations/19103755) target="_blank">19103755, PubMed: [20018852](http://www.uniprot.org/citations/20018852) target="_blank">20018852, PubMed: [16600877](http://www.uniprot.org/citations/16600877) target="_blank">16600877, PubMed: [16829960](http://www.uniprot.org/citations/16829960) target="_blank">16829960). May position the N-terminus of histone H3 for efficient trimethylation at 'Lys-4' (PubMed: [16829960](http://www.uniprot.org/citations/16829960) target="_blank">16829960). As part of the MLL1/MLL complex it is involved in methylation and dimethylation at 'Lys-4' of histone H3 (PubMed: [16829960](http://www.uniprot.org/citations/16829960) target="_blank">16829960).

[19556245](http://www.uniprot.org/citations/19556245)). H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation (PubMed: [18840606](http://www.uniprot.org/citations/18840606)). As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues (PubMed: [19103755](http://www.uniprot.org/citations/19103755), PubMed: [20018852](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/21220120), PubMed: [22266653](http://www.uniprot.org/citations/22266653)).

Cellular Location

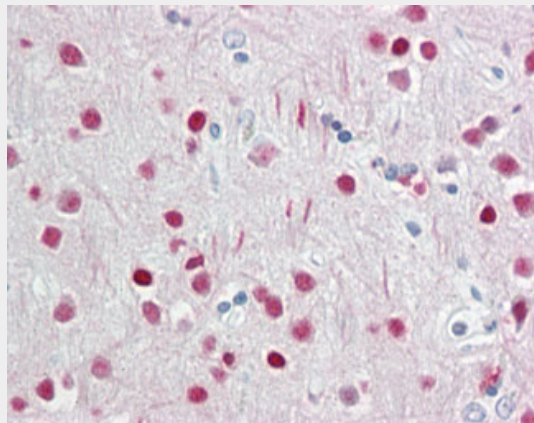
Nucleus

WDR5 Antibody (N-Terminus) - 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](#)

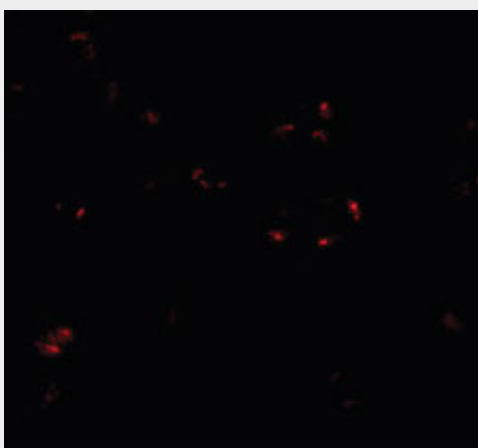
WDR5 Antibody (N-Terminus) - Images



Anti-WDR5 antibody IHC staining of human brain, cortex.



Immunocytochemistry of WDR5 in 293 cells with WDR5 antibody at 5 ug/ml.



Immunofluorescence of WDR5 in 293 cells with WDR5 antibody at 20 ug/ml.

WDR5 Antibody (N-Terminus) - 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 (N-Terminus) - 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).