

## Anti-WDR5 Monoclonal Antibody Catalog # ABO14567

### Specification

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#### Anti-WDR5 Monoclonal Antibody - Product Information

Application	WB, IHC, FC
Primary Accession	<a href="#">P61964</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

#### Description

Anti-WDR5 Monoclonal Antibody . Tested in WB, IHC, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

#### Anti-WDR5 Monoclonal Antibody - Additional Information

Gene ID 11091

#### Other Names

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

#### Application Details

WB 1:500-1:2000<br>IHC 1:50-1:200<br>FC 1:50

#### Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

#### Immunogen

A synthesized peptide derived from human WDR5

#### Purification

Affinity-chromatography

Storage

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

#### Anti-WDR5 Monoclonal Antibody - Protein Information

Name WDR5

Synonyms BIG3

Function

Contributes to histone modification (PubMed: [16600877](http://www.uniprot.org/citations/16600877) </a>, PubMed: [16829960](http://www.uniprot.org/citations/16829960) </a>, PubMed: [19103755](http://www.uniprot.org/citations/19103755) </a>, PubMed: [19131338](http://www.uniprot.org/citations/19131338) </a>, PubMed: [19556245](http://www.uniprot.org/citations/19556245) </a>, PubMed: [20018852](http://www.uniprot.org/citations/20018852) </a>). May position the N-terminus of histone H3 for efficient trimethylation at 'Lys-4' (PubMed: [16829960](http://www.uniprot.org/citations/16829960) </a>). As part of the MLL1/MLL complex it is involved in methylation and dimethylation at 'Lys-4' of histone H3 (PubMed: [19556245](http://www.uniprot.org/citations/19556245) </a>). H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation (PubMed: [18840606](http://www.uniprot.org/citations/18840606) </a>). 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) </a>, PubMed: [20018852](http://www.uniprot.org/citations/20018852) </a>). 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) </a>, PubMed: [22266653](http://www.uniprot.org/citations/22266653) </a>).

#### Cellular Location

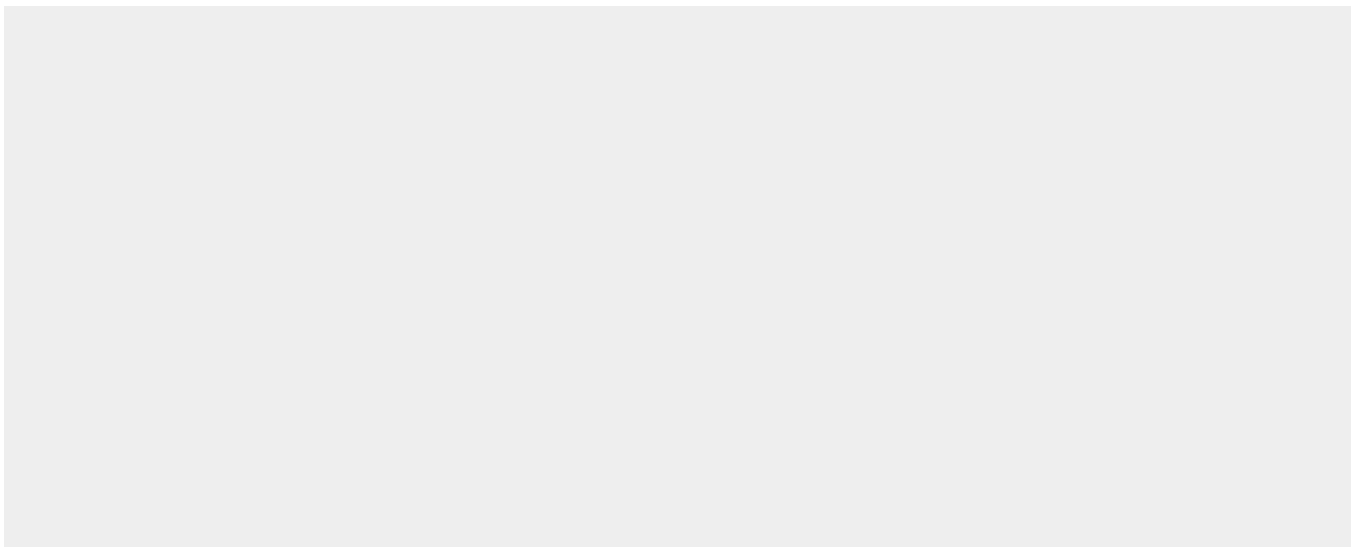
Nucleus

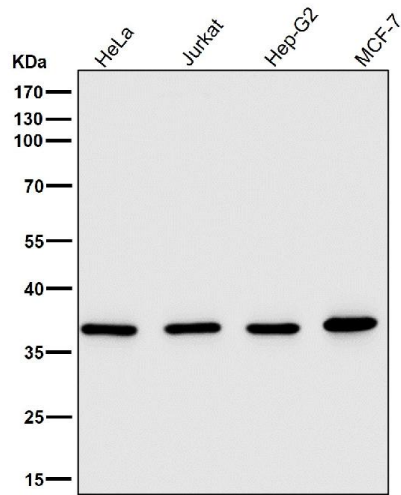
#### Anti-WDR5 Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

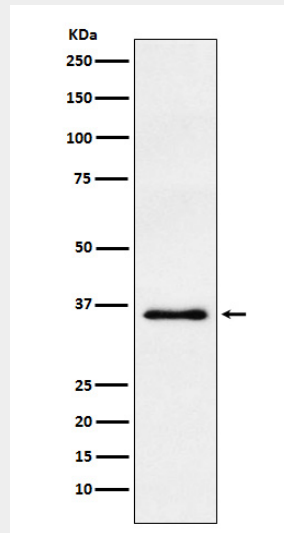
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Anti-WDR5 Monoclonal Antibody - Images





All lanes use the Antibody at 1:5K dilution for 1 hour at room temperature.



Western blot analysis of WDR5 expression in HeLa cell lysate.