

Anti-WDR5 Monoclonal Antibody Catalog # ABO14567

Specification

Anti-WDR5 Monoclonal Antibody - Product Information

Application	WB, IHC, FC
Primary Accession	P61964
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
IHC 1:50-1:200
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) , PubMed: [16829960](http://www.uniprot.org/citations/16829960) , PubMed: [19103755](http://www.uniprot.org/citations/19103755) , PubMed: [19131338](http://www.uniprot.org/citations/19131338) , PubMed: [19556245](http://www.uniprot.org/citations/19556245) , PubMed: [20018852](http://www.uniprot.org/citations/20018852)). May position the N-terminus of histone H3 for efficient trimethylation at 'Lys-4' (PubMed: [16829960](http://www.uniprot.org/citations/16829960)). 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)). 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

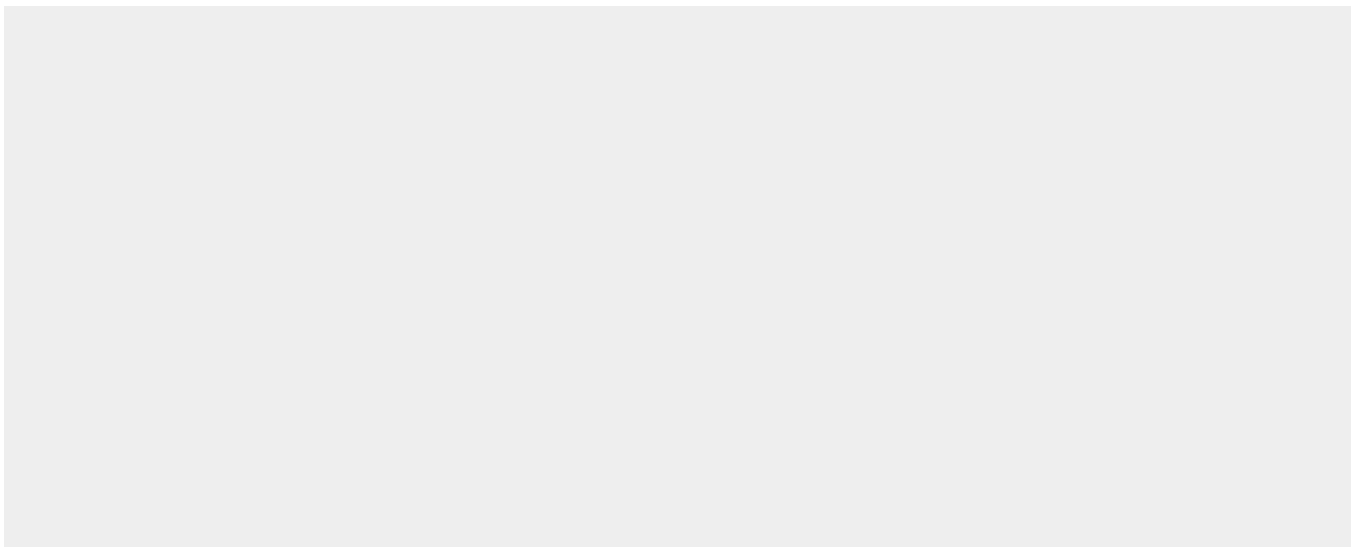
Nucleus

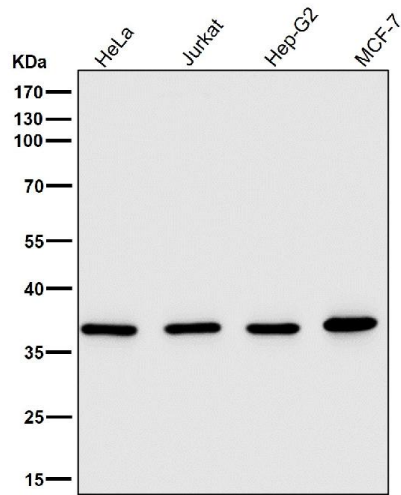
Anti-WDR5 Monoclonal Antibody - Protocols

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

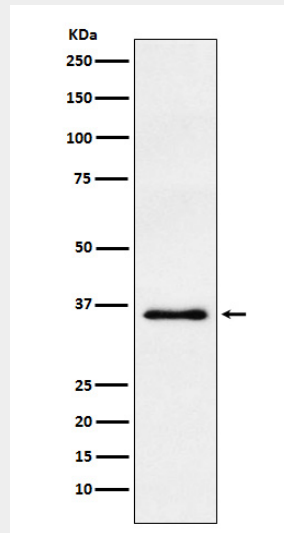
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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.