

**WDR5 Antibody (monoclonal) (M01)**

Mouse monoclonal antibody raised against a partial recombinant WDR5.

Catalog # AT4533a

**Specification**

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**WDR5 Antibody (monoclonal) (M01) - Product Information**

Application	IF, WB, E
Primary Accession	<a href="#">P61964</a>
Other Accession	<a href="#">NM_017588</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	36588

**WDR5 Antibody (monoclonal) (M01) - Additional Information**

Gene ID 11091

**Other Names**

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

**Target/Specificity**

WDR5 (NP\_060058, 16 a.a. ~ 120 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

WDR5 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

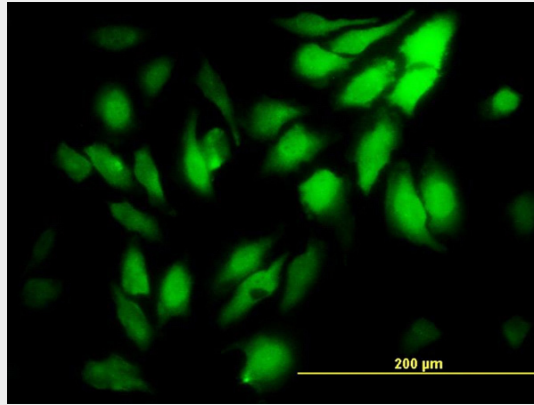
**WDR5 Antibody (monoclonal) (M01) - Protocols**

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

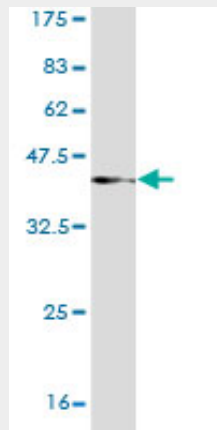
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

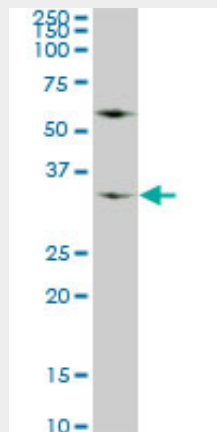
### WDR5 Antibody (monoclonal) (M01) - Images



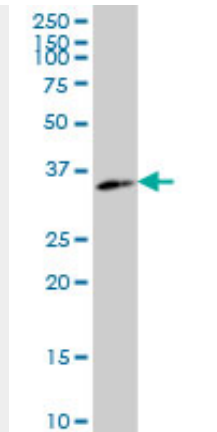
Immunofluorescence of monoclonal antibody to WDR5 on HeLa cell. [antibody concentration 10 ug/ml]



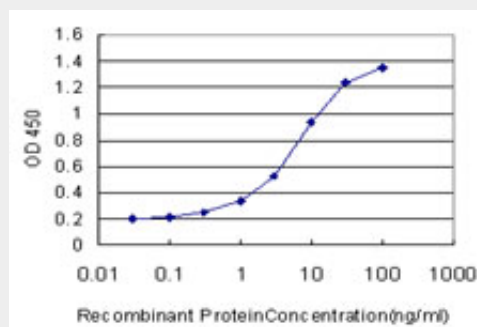
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.29 KDa) .



WDR5 monoclonal antibody (M01), clone 2C2. Western Blot analysis of WDR5 expression in A-549 ( (Cat # AT4533a )



WDR5 monoclonal antibody (M01), clone 2C2. Western Blot analysis of WDR5 expression in Hs 181.Tes.



Detection limit for recombinant GST tagged WDR5 is approximately 0.3ng/ml as a capture antibody.

### WDR5 Antibody (monoclonal) (M01) - Background

This gene encodes a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-asg (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. This protein contains 7 WD repeats. Alternatively spliced transcript variants encoding the same protein have been identified.

### WDR5 Antibody (monoclonal) (M01) - References

A Three-Stage Genome-Wide Association Study of General Cognitive Ability: Hunting the Small Effects. Davis OS, et al. *Behav Genet*, 2010 Mar 21. PMID 20306291. PHF8 activates transcription of rRNA genes through H3K4me3 binding and H3K9me1/2 demethylation. Feng W, et al. *Nat Struct Mol Biol*, 2010 Apr. PMID 20208542. c-Myb binds MLL through menin in human leukemia cells and is an important driver of MLL-associated leukemogenesis. Jin S, et al. *J Clin Invest*, 2010 Feb 1. PMID 20093773. Regulation of HOXA2 gene expression by the ATP-dependent chromatin remodeling enzyme CHD8. Yates JA, et al. *FEBS Lett*, 2010 Feb 19. PMID 20085832. WDR5 is essential for assembly of the VISA-associated signaling complex and virus-triggered IRF3 and NF-kappaB activation. Wang YY, et al. *Proc Natl Acad Sci U S A*, 2010 Jan 12. PMID 20080758.