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WDR5 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant WDR5.
Catalog # AT4533a

Product Information

Application	WB, IF, E
Primary Accession	P61964
Other Accession	NM_017588
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	2C2
Calculated MW	36588

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 IF~~1:50~200 E~~N/A
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.

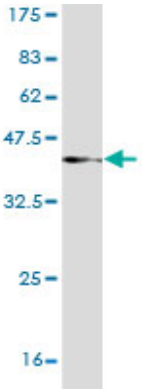
Background

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-asp (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.

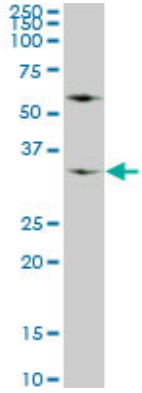
References

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.

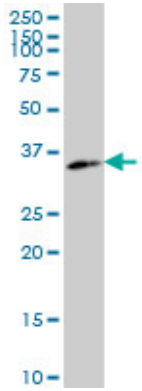
Images



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

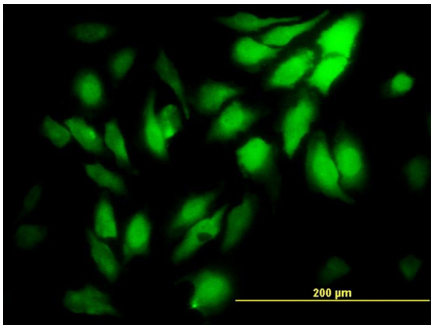


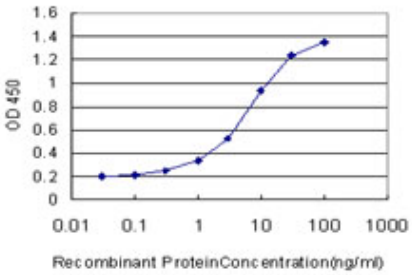
WDR5 monoclonal antibody (M01), clone 2C2. Western Blot analysis of WDR5 expression in A-549 ((Cat # AT4533a)



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

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





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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.