

## WDR5 Monoclonal Antibody

<b>Catalog No :</b>	YM0647
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	WDR5
<b>Fields :</b>	>>Cushing syndrome
<b>Gene Name :</b>	WDR5
<b>Protein Name :</b>	WD repeat-containing protein 5
<b>Human Gene Id :</b>	11091
<b>Human Swiss Prot No :</b>	P61964
<b>Mouse Swiss Prot No :</b>	P61965
<b>Immunogen :</b>	Purified recombinant fragment of human WDR5 expressed in E. Coli.
<b>Specificity :</b>	WDR5 Monoclonal Antibody detects endogenous levels of WDR5 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	Affinity purification
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	37kD
<b>P References :</b>	1. Mol Syst Biol. 2007;3:89.

2. J Biol Chem. 2008 Nov 21;283(47):32162-75.

## 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-aspartate (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. [provided by RefSeq, Jul 2008],

## Function :

function:Accelerates osteoblast differentiation.,similarity:Belongs to the WD repeat WDR5/wds family.,similarity:Contains 7 WD repeats.,subunit:Interacts with HCFC1. Component of the SET1 complex, at least composed of the catalytic subunit (SETD1A or SETD1B), WDR5, WDR82, RBBP5, ASH2/ASH2L and CXXC1/CFP1. Component of MLL-containing complexes (named MLL, ASCOM, MLL2/MLL3 or MLL3/MLL4 complex): at least composed ASH2L, RBBP5, DPY30, WDR5, one or several histone methyltransferases (MLL, MLL2, MLL3 and/or MLL4), and the facultative components MEN1, HCFC1, HCFC2, NCOA6, KDM6A, PAXIP1/PTIP and C16orf53/PA1. Component of a multiprotein complex of 900 kDa containing WDR5.,

## Subcellular

Nucleus .

## Location :

## Expression :

Epithelium,Lung,Spleen,Uterus,

## Products Images

kDa  
170-  
130-  
95-  
72-  
66-  
43-  
34-  
26-  
17-  
11-



Western Blot analysis using WDR5 Monoclonal Antibody against HeLa (1) cell lysate.