## **Affinity Biosciences**

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## WDR5 Ab

Images(1)

Cat.#: BF0504 Concn.: ~1mg/ml Mol.Wt.: 36.6kDa Size: Source: Mouse Clonality: Monoclonal

Application: ELISA 1:10000, WB 1:500-1:2000

\*The optimal dilutions should be determined by the end user.

Reactivity: Human

Storage: Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH

7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C.

Stable for 12 months from date of receipt.

Purification: Affinity-chromatography.

Immunogen: Purified recombinant fragment of human WDR5 expressed in E. Coli.

Uniprot: P61964

Description: WD-repeat protein 5 (WDR5, also designated BMP-2-induced gene 3 kb or

BIG-3) belongs to the family of WD-40 repeat proteins, and is essential for

vertebrate development, Hox gene activation and global H3K4

trimethylation. WDR5 is a conserved subunit of Trithorax (TRX) histone methyltransferase complexes that selectively binds to dimethylated Lys4 (K4me2) in Histone H3 to promote K4 trimethylation by TRX. It is

expressed in osteoblasts, chondrocytes, osteocytes and marrow stromal cells. The WDR5 protein contains 7 WD-repeats, which may play a role in its

function of accelerating osteoblast differentiation.

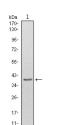


Figure 1: Western blot analysis using WDR5 mouse mAb against Hela (1) cell

lysate.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab
in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking,
overnight.

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