

Mouse Monoclonal Antibody to WDR5

Catalogue Number	sAP-0426
Target Molecule	<p>Name: WDR5</p> <p>Aliases: SWD3; BIG-3; WDR5</p> <p>MW: 36.6kDa</p> <p>Entrez Gene ID: 11091</p>
Description	<p>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.</p>
Immunogen	Purified recombinant fragment of human WDR5 expressed in E. Coli.
Recombinant Species	Human
Clone	MM7B11;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide. ;
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Mol Syst Biol. 2007;3:89. ; 2. J Biol Chem. 2008 Nov 21;283(47):32162-75.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**