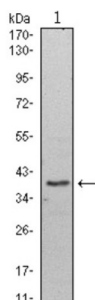


## WD Repeat-Containing Protein 5 (WDR5) Antibody

Catalogue No.: abx012356



Western blot analysis using WDR5 antibody against Hela (1) cell lysate.

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.

<b>Target:</b>	WD Repeat-Containing Protein 5 (WDR5)
<b>Clonality:</b>	Monoclonal
<b>Reactivity:</b>	Human
<b>Tested Applications:</b>	ELISA, WB
<b>Host:</b>	Mouse
<b>Recommended dilutions:</b>	ELISA: 1/10000, WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	Purified recombinant fragment of human WDR5 expressed in E. coli.
<b>Isotype:</b>	IgG <sub>2b</sub>
<b>Form:</b>	Liquid
<b>Purification:</b>	Unpurified ascites.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	P61964 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )

# Datasheet

Version: 3.0.0

Revision date: 02 May 2025



**Gene Symbol:** WDR5

**GeneID:** [11091](#)

**OMIM:** [609012](#)

**HGNC:** 12757

**KEGG:** hsa:11091

**Ensembl:** ENSG00000196363

**String:** [9606.ENSP00000351446](#)

**Molecular Weight:** 36.6 kDa

**Buffer:** Ascitic fluid containing 0.03% sodium azide.

**Concentration:** Not determined.

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.