**Product Name**
Monoclonal Human Anti-WD repeat-containing protein 5 (WDR5) immunoglobulin

**CAT No.**
MQR 2.1301

**LOT No.**
16217

**Quantity**
100 μg

**Intended use**
This product is for research use only. NOT for use in diagnostic or therapeutic procedures.
This product is tested for use in enzyme-linked immunosorbent assay (ELISA), immunoprecipitation (IP), and Chromatin immunoprecipitation quantitative real-time PCR (ChIP-qPCR).

**Reagent provided**
The antibody is supplied in PBS

**Isotype**
Human IgG1k

**Immunogen**
Full-length human WD repeat domain 5

**Specificity**
Specificity has been tested in ELISA (figure 1), IP-MS and ChIP-qPCR.

**Purity**
Protein A purified.

**Precautions**
1. For professional users.
2. As with any product derived from biological sources, proper handling procedures should be used.
3. The product may be used in different techniques and in combination with different sample types and materials, therefore each individual laboratory should validate the applied test system.

**Preparation of the antibody**
Use antibody as supplied.

**Storage instructions**
Store at -20°C.

**Application guidelines**

**ELISA:** 1:5000 – 1:25000

**IP:** 2 µg/ml

Unless the stability in the actual test system has been established, it is recommended to dilute the product immediately before use.

**Relevance**
Contributes to histone modification. May position the N-terminus of histone H3 for efficient trimethylation at 'Lys-4'.
As part of the MLL1/MLL complex it is involved in methylation and dimethylation at 'Lys-4' of histone H3. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation. As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues. May regulate osteoblasts differentiation.¹

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