



# Anti-SUZ12 monoclonal antibody, clone FQS6345(O) (DCABH-6090)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit monoclonal to SUZ12
<b>Antigen Description</b>	Polycomb group (PcG) protein. Component of the PRC2/EED-EZH2 complex, which methylates Lys-9 (H3K9me) and Lys-27 (H3K27me) of histone H3, leading to transcriptional repression of the affected target gene. The PRC2/EED-EZH2 complex may also serve as a recruiting platform for DNA methyltransferases, thereby linking two epigenetic repression systems. Genes repressed by the PRC2/EED-EZH2 complex include HOXC8, HOXA9, MYT1 and CDKN2A.
<b>Immunogen</b>	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) within Human SUZ12 aa 50-150 (Cysteine residue). The exact sequence is proprietary. Database link: Q15022
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse, Rat, Human
<b>Clone</b>	FQS6345(O)
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ICC/IF, IP
<b>Positive Control</b>	SW480, HeLa, MCF-7 and 293T cell lysates. MCF-7 cells. Immunoprecipitation pellet from HeLa cell lysate.
<b>Format</b>	Liquid
<b>Size</b>	100 µl

<b>Buffer</b>	pH: 7.2; Preservative: 0.01% Sodium azide; Constituents: 50% Glycerol, 49% PBS, 0.05% BSA
<b>Storage</b>	Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Ship</b>	Shipped at 4°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">SUZ12 suppressor of zeste 12 homolog (Drosophila) [ Homo sapiens ]</a>
<b>Official Symbol</b>	SUZ12
<b>Synonyms</b>	SUZ12; suppressor of zeste 12 homolog (Drosophila); polycomb protein SUZ12; CHET9; JJAZ1; KIAA0160; chET 9 protein; joined to JAZF1 protein; suppressor of zeste 12 protein homolog; chromatin precipitated E2F target 9 protein;
<b>Entrez Gene ID</b>	<a href="#">23512</a>
<b>Protein Refseq</b>	<a href="#">NP_056170</a>
<b>UniProt ID</b>	<a href="#">A8K1U9</a>
<b>Chromosome Location</b>	17q21
<b>Function</b>	chromatin binding; histone methyltransferase activity; metal ion binding; methylated histone residue binding; protein binding; zinc ion binding;