



# Anti-SUZ12 polyclonal antibody (DPAB-DC2241)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes a core component of the polycomb repressive complex 2 (PRC2) that also includes, at least, embryonic ectoderm development protein (EED) and enhancer of zeste homolog 1 or 2 (EZH1 or EZH2). Through the methyltransferase activity of EZH1 or EZH2, the PRC2 complex methylates Lys9 and Lys27 of histone 3 and Lys26 of histone 1, leading to recruitment of the PRC1 complex, histone 2A ubiquitylation and transcriptional repression of the target genes. This gene product is essential for the activity and integrity of the PRC2 complex, and is required for X chromosome inactivation, stem cell maintenance and differentiation. Two transcript variants encoding different isoforms have been found for this gene.
<b>Specificity</b>	Specific to recombinant protein GX0165. This antibody detects mSUZ12 protein.
<b>Immunogen</b>	Recombinant GST fusion protein corresponding to 137 amino acids of mouse Suz12.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB,
<b>Format</b>	Liquid
<b>Size</b>	50 µg
<b>Buffer</b>	In PBS (50% glycerol, 0.02% sodium azide)
<b>Preservative</b>	0.02% Sodium Azide

**Storage**

Store at -20°C. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

Gene Name	<a href="#">Suz12 suppressor of zeste 12 homolog (Drosophila) [ Mus musculus (house mouse) ]</a>
Official Symbol	SUZ12
Synonyms	SUZ12; suppressor of zeste 12 homolog (Drosophila); AI195385; AU016842; AW536442; mKIAA0160; D11Ert530e; 2610028O16Rik; polycomb protein Suz12; suppressor of zeste 12 protein homolog;
Entrez Gene ID	<a href="#">52615</a>
Protein Refseq	<a href="#">NP_001156490</a>
UniProt ID	<a href="#">E9PW15</a>
Chromosome Location	11 B5; 11 47.36 cM
Pathway	Cellular Senescence; Epigenetic regulation of gene expression; Oxidative Stress Induced Senescence; PluriNetWork
Function	RNA binding; chromatin binding; histone methyltransferase activity; metal ion binding