



Anti-SUZ12 polyclonal antibody (DPAB-DC2241)

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

PRODUCT INFORMATION

Antigen Description	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.
Specificity	Specific to recombinant protein GX0165. This antibody detects mSUZ12 protein.
Immunogen	Recombinant GST fusion protein corresponding to 137 amino acids of mouse Suz12.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse
Conjugate	Unconjugated
Applications	WB,
Format	Liquid
Size	50 µg
Buffer	In PBS (50% glycerol, 0.02% sodium azide)
Preservative	0.02% Sodium Azide

Storage

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

GENE INFORMATION

Gene Name	Suz12 suppressor of zeste 12 homolog (Drosophila) [Mus musculus (house mouse)]
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	52615
Protein Refseq	NP_001156490
UniProt ID	E9PW15
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
