



# Anti-CXXC1 monoclonal antibody (DCABH-11172)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	Proteins that contain a CXXC motif within their DNA-binding domain, such as CXXC1, recognize CpG sequences and regulate gene expression (Carlone and Skalnik, 2001 [PubMed 11604496]).
<b>Immunogen</b>	A synthetic peptide of human CXXC1 is used for rabbit immunization.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot (Transfected lysate); ELISA
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CXXC1 CXXC finger protein 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	CXXC1

<b>Synonyms</b>	CXXC1; CXXC finger protein 1; CXXC finger 1 (PHD domain); cpG-binding protein; CFP1; CGBP; CpG binding protein; DNA binding protein with PHD finger and CXXC domain; hCGBP; HsT2645; PCCX1; PHF18; SPP1; ZCGPC1; zinc finger; CpG binding type containing 1; CXXC-type zinc finger protein 1; zinc finger, CpG binding-type containing 1; PHD finger and CXXC domain-containing protein 1; DNA-binding protein with PHD finger and CXXC domain; 2410002I16Rik; 5830420C16Rik;
<b>Entrez Gene ID</b>	<a href="#">30827</a>
<b>Protein Refseq</b>	<a href="#">NP_001095124</a>
<b>UniProt ID</b>	<a href="#">Q9P0U4</a>
<b>Chromosome Location</b>	18q12
<b>Pathway</b>	Activation of Chaperone Genes by XBP1(S), organism-specific biosystem; Activation of Chaperones by IRE1alpha, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; Unfolded Protein Response, organism-specific biosystem.
<b>Function</b>	DNA binding; contributes_to histone methyltransferase activity (H3-K4 specific); metal ion binding; protein binding; unmethylated CpG binding; zinc ion binding;