

**DBC 1 (3G4) Mouse mAb (PBS Only)**

db6013-PBS

Package : 可询价

**Product Name** : DBC 1 (3G4) Mouse mAb (PBS Only)**Cat.No.:** db6013-PBS**Synonyms** : DBC1;DBC-1;NET35;p30DBC;p30 DBC;KIAA1967**Application** : WB, ICC/IF, IP**Reactivity** : Human, Mouse, Rat, Monkey**Host species** : Mouse**Background**

Core component of the DBIRD complex, a multiprotein complex that acts at the interface between core mRNP particles and RNA polymerase II (RNAPII) and integrates transcript elongation with the regulation of alternative splicing/ the DBIRD complex affects local transcript elongation rates and alternative splicing of a large set of exons embedded in (A + T)-rich DNA regions. Inhibits SIRT1 deacetylase activity leading to increasing levels of p53/TP53 acetylation and p53-mediated apoptosis. Inhibits SUV39H1 methyltransferase activity. As part of a histone H3-specific methyltransferase complex may mediate ligand-dependent transcriptional activation by nuclear hormone receptors. Plays a critical role in maintaining genomic stability and cellular integrity following UV-induced genotoxic stress. Regulates the circadian expression of the core clock components NR1D1 and ARNTL/BMAL1. Enhances the transcriptional repressor activity of NR1D1 through stabilization of NR1D1 protein levels by preventing its ubiquitination and subsequent degradation (PubMed/18235501, PubMed/18235502, PubMed/19131338, PubMed/19218236, PubMed/22446626, PubMed/23352644, PubMed/23398316). Represses the ligand-dependent transcriptional activation function of ESR2 (PubMed/20074560). Acts as a regulator of PCK1 expression and gluconeogenesis by a mechanism that involves, at least in part, both NR1D1 and SIRT1 (PubMed/24415752). Negatively regulates the deacetylase activity of HDAC3 and can alter its subcellular localization (PubMed/21030595). Positively regulates the beta-catenin pathway (canonical Wnt signaling pathway) and is required for MCC-mediated repression of the beta-catenin pathway (PubMed/24824780). Represses ligand-dependent transcriptional activation function of NR1H2 and NR1H3 and inhibits the interaction of SIRT1 with NR1H3 (PubMed/25661920). Plays an important role in tumor suppression through p53/TP53 regulation; stabilizes p53/TP53 by affecting its interaction with ubiquitin ligase MDM2 (PubMed/25732823). Represses the transcriptional activator activity of BRCA1 (PubMed/20160719). Inhibits SIRT1 in a CHEK2 and PSEM3-dependent manner and inhibits the activity of CHEK2 in vitro (PubMed/25361978).

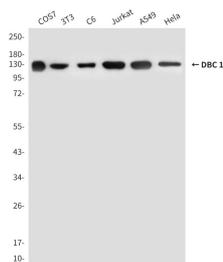
**Immunogen**

Purified recombinant human DBC1 protein fragments expressed in E.coli

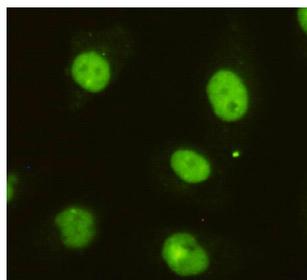
**Gene ID**

57805

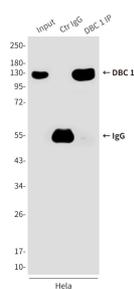
<b>Swiss Prot</b>	Q8N163
<b>Synonyms</b>	DBC1;DBC-1;NET35;p30DBC;p30 DBC;KIAA1967
<b>Reactivity</b>	Human, Mouse, Rat, Monkey
<b>Application</b>	WB, ICC/IF, IP
<b>Calculated MW</b>	103 kDa
<b>Observed MW</b>	130 kDa
<b>Host species</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clonality No.</b>	3G4-D11-D7
<b>Isotype</b>	IgG1
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Concentration</b>	1 mg/mL
<b>Formulation</b>	PBS Only
<b>Storage Stability</b>	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot analysis of DBC1 in HeLa, A549, Jurkat, C6, 3T3 and COS7 lysates using db6013 antibody.



Immunocytochemistry analysis of DBC1 in HeLa cells using db6013 antibody.



Immunoprecipitation analysis of DBC1 (3G4) in HeLa lysates using db6013 antibody.