

小鼠抗 CCAR2 单克隆抗体

中文名称： 小鼠抗 CCAR2 单克隆抗体

英文名称： Anti-CCAR2 mouse monoclonal antibody

别名： cell cycle and apoptosis regulator 2; DBC1; DBC-1; NET35; p30DBC; p30 DBC; KIAA1967

相关类别： 一抗

储存： 冷冻 (-20℃)

宿主： Mouse

抗原： CCAR2

反应种属： Human, Mouse, Rat, Monkey

标记物： Unconjugate

克隆类型： Mouse Monoclonal

技术规格

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

	<p>c 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).</p>
Applications:	WB, IF, IP
Name of antibody:	CCAR2
Immunogen:	Fusion protein of human CCAR2
Full name:	cell cycle and apoptosis regulator 2
Synonyms:	DBC1; DBC-1; NET35; p30DBC; p30 DBC; KIAA1967
SwissProt:	Q8N163
WB Predicted band size:	103 kDa
WB Positive control:	COS7, 3T3, C6, Jurkat, A549 and Hela cell lysates
WB Recommended dilution:	500-2000

IF positive control:	Hela cells
IF Recommend dilution:	100-200





