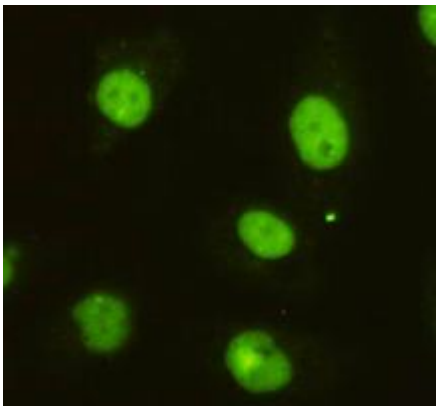
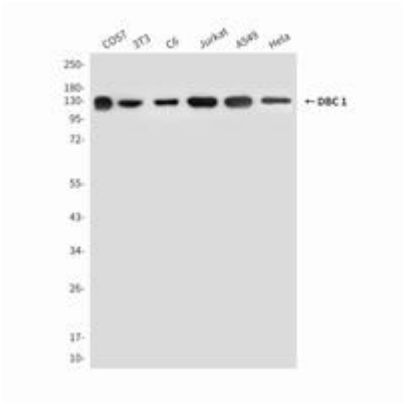
DBC 1 (3G4) MOUSE MAB

货号: N261007
产品全名: DBC 1 (3G4) 小鼠单抗
基因符号 DBC1; DBC-1; NET35; p30DBC; p30 DBC; KIAA1967
UNIPROT ID: Q8N163
背景: 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).
抗原: Purified recombinant human DBC1 protein fragments expressed in E.coli

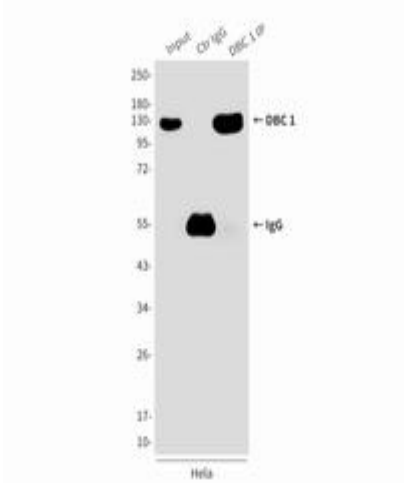
经过测试的应用: WB,ICC/IF,IP
推荐稀释比: WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20
种属反应性: Mouse
克隆性： Mouse Monoclonal
克隆编号: 3G4-D11-D7
分子量: Calculated MW: 103 kDa; Observed MW: 130 kDa
亚型: IgG1
纯化: Affinity Purified
种属反应性: Human, Mouse and Rat,Monkey
成分: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide
研究领域: Epigenetics and Nuclear Signaling
储存和运输: Store at -20°C. Avoid repeated freezing and thawing



Immunocytochemistry analysis of DBC 1 in HeLa cells using DBC1 antibody.



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



Immunoprecipitation analysis of DBC 1 (3G4) in Hela lysates using DBC1 antibody.