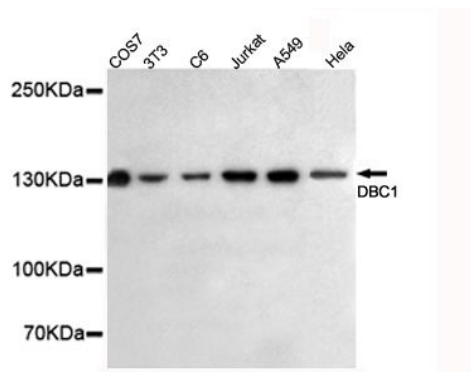




DBC1

Mouse monoclonal Antibody

#53180

**Catalog Number:** 53180**Amount:** 100µg/100µl**Swiss-Prot No. :** Q8N163**Gene name:** kias1967**Gene id:** 57805**Clone Number:** 3G4-D11-D7**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human DBC1 protein fragments expressed in E.coli.**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of DBC1 and does not cross-react with related proteins**Reactivity:** Human, Mouse, Rat**Applications:** Predicted MW: 130 kd WB: 1:500 ICC: 1:200

Western blot detection of DBC1 in HeLa, A549, Jurkat, C6, 3T3 and COS7 cell lysates using DBC1 mouse mAb (1:500 diluted). Predicted band size: 130KDa. Observed band size: 130KDa.

**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.