



[Go to Product page](#)

Datasheet for ABIN6241147

## anti-DBC1 antibody

### 3 Images

#### Overview

Quantity:	100 µL
Target:	DBC1 (BRINP1)
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DBC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunocytochemistry (ICC)

#### Product Details

Immunogen: Recombinant Protein

#### Target Details

Target:	DBC1 (BRINP1)
Alternative Name:	DBC1 ( <a href="#">BRINP1 Products</a> )
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

## Target Details

---

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.

UniProt: [Q8N163](#)

## Application Details

---

Application Notes: IP: 1:500. WB: 1:500. ICC: 1:200

Restrictions: For Research Use only

## Handling

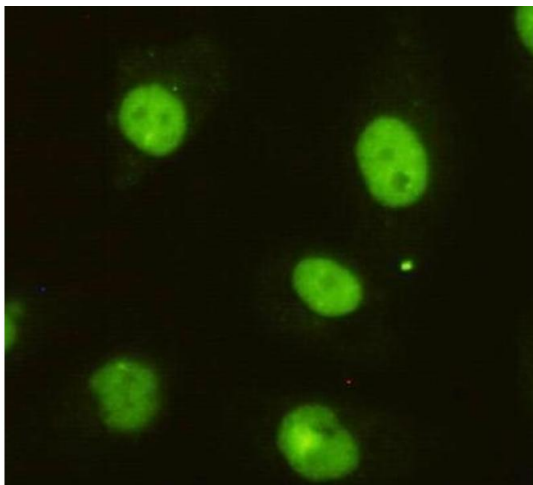
---

Format: Liquid

Storage: 4 °C, -20 °C

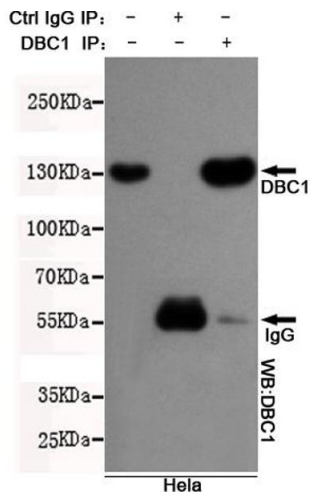
## Images

---



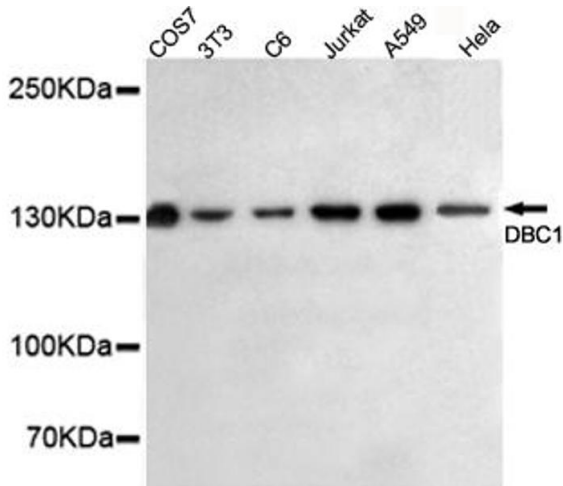
### Immunocytochemistry

**Image 1.** Immunocytochemistry of HeLa cells using anti-DBC1 mouse mAb diluted 1:200.



### Immunoprecipitation

**Image 2.** Immunoprecipitation analysis of HeLa cell lysates using DBC1 mouse mAb.



### Western Blotting

**Image 3.** 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.