TECHNICAL DATA SHEET

| PRODUCT NAME<br>**hRbAp46/48 monoclonal antibody** | | |
|---|---|---|
| Other names: RBBP7/4, RBBP-7/4, RBAP46/48, NURF 55 | | |
| **Cat. No. C15100033** (AC-033-100) | **Type:** Monoclonal<br>**Isotype:** IgG2b | **Size:** 100 µl |
| **Lot #:** 001 | **Source:** Mouse | **Concentration:** Not determined |

**Description:** Monoclonal antibody raised in mouse against the full length human RbAp48 protein (Retinoblastoma-binding protein p48) fused to GST. The antibody recognizes both RbAp48 and RbAp46.

**Specificity:** Human: positive
Other species: not tested

| Applications | Suggested dilution | References |
|---|---|---|
| Western blotting | 1:1,000 | Fig 1 |

**Purity:** Ascites fluid from mouse containing 0.05% azide.

**Storage:** Store at -20°C; for long storage, store at -80°C. Avoid multiple freeze-thaw cycles.

**Precautions:** This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Last data sheet update:** March 2, 2010

**Target description**
RbAp48 (UniProtKB/Swiss-Prot entry Q09028) is a core histone-binding subunit that may target chromatin assembly factors, chromatin remodeling factors and histone deacetylases to their histone substrates in a manner that is regulated by nucleosomal DNA. It is a component of several complexes which regulate chromatin metabolism. These include (1) the chromatin assembly factor 1 (CAF-1) complex, which is required for chromatin assembly following DNA replication and DNA repair; (2) the core histone deacetylase (HDAC) complex, which promotes histone deacetylation and consequent transcriptional repression; (3) the nucleosome remodelling and histone deacetylase complex (the NuRD complex), which promotes transcriptional repression by histone deacetylation and nucleosome remodeling; (4) the PRC2/EED-EZH2 complex, which promotes repression of homeotic genes during development; and (5) the NURF (nucleosome remodeling factor) complex.

TECHNICAL DATA SHEET

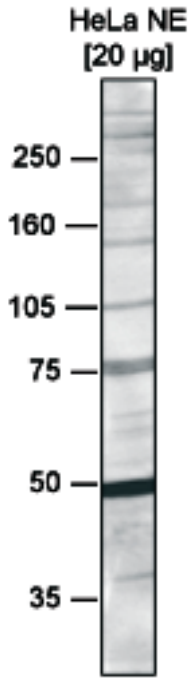


**Figure 1**

**Western blot analysis using the Diagenode monoclonal antibody directed against hRbAp46/48**

Western blot was performed using nuclear extracts from HeLa cells (HeLa NE, 20 µg) and the Diagenode monoclonal antibody against hRbAp46/48 (cat# AC-033-100) diluted 1:1,000 in TBS-Tween containing 5% skimmed milk. The molecular weight marker (in kDa) is shown on the left), the position of the protein of interest is shown on the right.