



Technical Data Sheet

Diagenode sa
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Product name:
antibody directed against hRbAp46/48

(Human Retinoblastoma-binding protein p46/48)

Other names: Histone-binding protein RBBP4/7, RBBP4/7, NURF 55, Histone acetyltransferase type B subunit 2

Catalog #: MAb-033-050	Type: Monoclonal IgG2b	Size: 50 µg/ 25 µl
Lot #: 001	Source: Mouse	Concentration: 2.0 µg/µl

Description: This antibody has been raised against GST fused to the full length human RbAp48 protein. The antibody recognizes RbAp48 and RbAp46.

RbAp48 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. RbAp48 is a component of several complexes which regulate chromatin metabolism (see overview below).

Specificity: Human: positive
Other species: not tested

Applications	Suggested dilution	References
ELISA	Not tested	
Dot blotting	Not tested	
Western blotting	1:1,000	Fig 1
Gel Supershift	Not tested	
Immunocytochemistry	Not tested	
Flow cytometry	Not tested	
Immunoprecipitation	Not tested	
ChIP	Not tested	

Format: In solution in PBS including 0.05% azide and 0.05% ProClin 300. The mouse monoclonal antibody has been protein G purified.

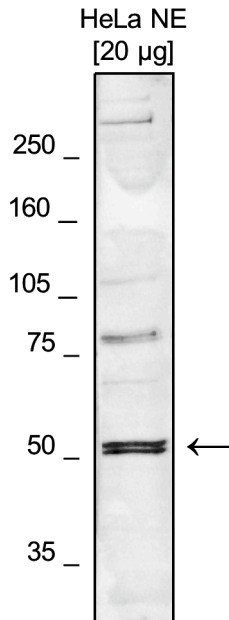
Storage: For long storage, store at -20°C/ -80°C. Avoid multiple freeze-thaw cycles.

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

Availability date: August 27, 2007. Last data sheet update: January 17, 2008

Lot #: 001/ purification day: March 27, 2007

Figure 1



Western blot analysis using the Diagenode purified antibody anti-hRbAp46/48.

Western blot was performed using nuclear extracts from HeLa cells (HeLa NE, 20 µg) and the Diagenode purified mouse monoclonal antibody directed against hRbAp46/48 (cat# MAb-033-050) at dilution 1:1,000 in TBS-Tween + 5% skimmed milk. On the left side, a molecular weight marker is shown (in kDa). The arrow indicates the location of the protein of interest.

Overview

RbAp 48 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 (UniProtKB/Swiss-Prot entry Q09028: <http://www.expasy.org/uniprot/Q09028>).