

Diagenode sa
 CHU, Tour GIGA B34, 3^e étage
 Avenue de l'Hôpital, 1
 4000 Liège - Belgium

Product name:
 antibody directed against hMi-2
 (human Mi-2 autoantigen)

Other names: Chromodomain-helicase-DNA-binding protein 4; CHD4

Catalog #: pAb-031-050	Type: Polyclonal	Size: 50 µg/ 25 µl
Lot #: 001	Source: Rabbit	Concentration: 2.0 µg/µl

Description: This antibody has been raised against the recombinant hMi-2 protein.

Mi-2 is a probable transcription regulator and is a central component of the nucleosome remodeling and histone deacetylase (NuRD) repressor complex (see overview below).

Specificity: Human: positive
 Other species: not tested

Applications	Suggested dilution	References
ELISA	Not tested	
Dot blotting	Not tested	
Western blotting	1:500	Fig 1
Gel Supershift	Not tested	
Immunochemistry	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 polyclonal antibody has been protein G purified.

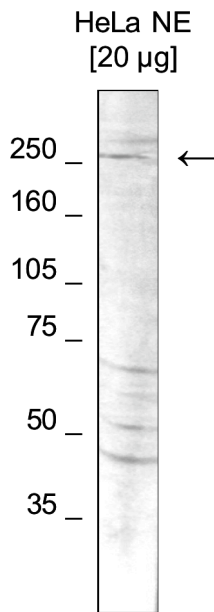
Storage: For long storage, store at -20°C/ -80°C. Avoid multiple freeze-thaw cycles.

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

Availability date: October 4, 2007. Last data sheet update: November 6, 2007

Lot #: 001/ purification day: March 26, 2007

Figure 1



Western blot analysis using the Diagenode purified antibody anti-hMi-2.

Western blot was performed using nuclear extracts from HeLa cells (HeLa NE, 20 µg) and the Diagenode purified antibody directed against hMi-2 (cat# pAb-031-050) at dilution 1:500 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

The human Mi-2 protein was initially discovered as auto-antigen in the connective tissue disease dermatomyositis. It is a presumed helicase involved in the transcriptional activation (NCBI, Protein: CAA60384). Mi 2 interacts with TRIM27 and is a component of a complex containing ATR and HDAC2 (UniProtKB/Swiss-Prot entry Q14839: <http://www.expasy.org/uniprot/Q14839>).