

## CBX4 polyclonal antibody

**Other names:** NBP16, PC2

**Cat. No.** C15310251 (CS-PA051-100)

**Type:** Polyclonal

**Source:** Rabbit

**Lot #:** A1138-001

**Size:** 100 µl

**Concentration:** not determined

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

**Purity:** Whole antiserum from rabbit 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.

**Description:** Polyclonal antibody raised in rabbit against human CBX4 (chromobox homolog 4) using two KLH-conjugated synthetic peptides containing a sequence from the central region of the protein.

### Applications

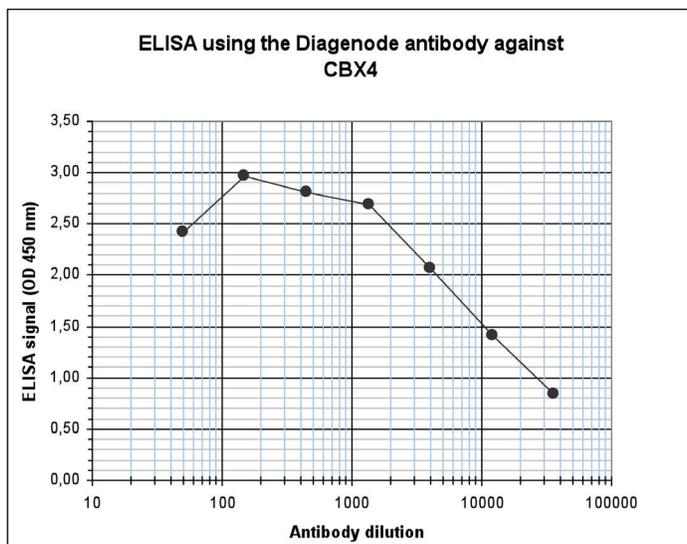
	Suggested dilution	Results
ELISA	1:100 - 1:500	Fig 1

\*The optimal dilution for other applications should be determined by the end user. For WB we suggest starting with a 1:1,000 dilution

### Target description

CBX4 (UniProtKB/Swiss-Prot entry Q00257) is a component of a Polycomb group (PcG) multiprotein PRC1-like complex. This complex class is required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. The PcG PRC1 complex acts via chromatin remodeling and modification of histones. It mediates ubiquitination of lysine 119 on histone H2A, rendering chromatin heritably changed in its expressibility.

## Results



**Figure 1. Determination of the antibody titer**

To determine the titer of the antibody, an ELISA was performed using a serial dilution of the Diagenode antibody directed against human CBX4 [cat. No. CS-PA051-100]. The plates were coated with the peptides used for immunization of the rabbit. By plotting the absorbance against the antibody dilution (Figure 1), the titer of the antibody was estimated to be 1:11,250.

### Diagenode sa. BELGIUM | EUROPE

LIEGE SCIENCE PARK  
Rue Bois Saint-Jean, 3  
4102 Seraing (Ougrée) - Belgium  
Tel: +32 4 364 20 50  
Fax: +32 4 364 20 51  
orders@diagenode.com  
info@diagenode.com

### Diagenode Inc. USA | NORTH AMERICA

400 Morris Avenue, Suite 101  
Denville, NJ 07834 - USA  
Tel: +1 862 209-4680  
Fax: +1 862 209-4681  
orders.na@diagenode.com  
info.na@diagenode.com

Last update: September 5, 2012