

PRODUCT NAME		
Ty1 monoclonal antibody		
Other name: BB2		
Cat. No. MAb-054-050	Type: Monoclonal ChIP grade IgG1	Size: 50 µg/ 25 µl
Lot #: 002	Source: Mouse	Concentration: 2.0 µg/µl

Product description: Monoclonal antibody raised in mouse against the Ty1 tag (amino acid sequence EVHTNQDPLD).

Applications	Suggested dilution	References
ChIP*	2 µg/ChIP	Fig 1
Western blotting	1:2,000	Fig 2

*Please note that of the optimal antibody amount per IP should be determined by the end-user. We recommend testing 1-5 µg per IP.

Purity: Monoclonal antibody in PBS, purified by ammonium sulphate precipitation.

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: November 22, 2011

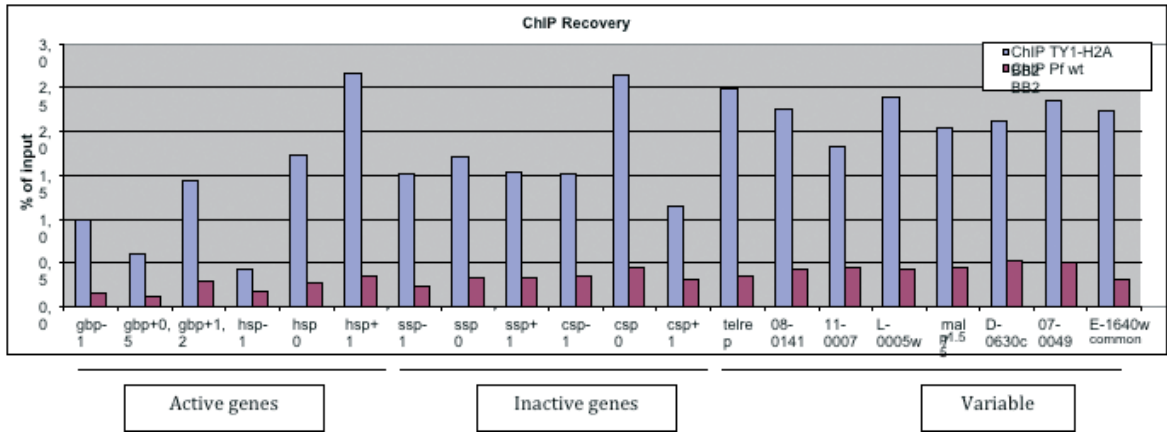


Figure 1

ChIP results obtained with the Diagenode monoclonal antibody against the Ty1 tag

ChIP assays were performed using *Plasmodium falciparum* cells stably expressing Ty1-H2A (blue bars) and wild type *Plasmodium falciparum* cells (brown bars). Primer pairs were used for active genes, inactive genes, and variable genes. Sheared chromatin from 1x10⁶ cells and 2 µg of antibody against Ty1 (cat. No. Mab-054-050) were used per ChIP experiment.

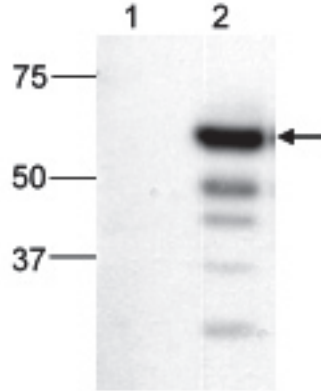


Figure 2

Western blot analysis using the Diagenode monoclonal antibody against the Ty1 tag

Western blot was performed on 20 µg whole cell extracts from MCF7 cells using the antibody against the Ty1 tag (cat. No. Mab-054-050) diluted 1:2,000 in TBS-Tween containing 3% skimmed milk. Figure 1 shows the results for untransfected cells, used as a negative control (lane 1) and for cells transfected with a Ty1-tagged protein. The position of the protein of interest is indicated on the right; the marker (in kDa) is shown on the left. The smaller bands present on the blot represent degradation product of the overexpressed protein.