

The ChIP Assay Experts™

activemotif.com

ChIP-IT® offers a comprehensive suite of basic and specialized ChIP kits for performing standard chromatin immunoprecipitation or more innovative techniques, such as sonication-free ChIP, ChIP without the need for protein-specific antibodies, sequential ChIP, transcription factor ChIP, low-cell ChIP, RNA-ChIP, high resolution ChIP and various other methods.

For optimal results & the most innovative ChIP technologies, rely on the ChIP Assay Experts™.

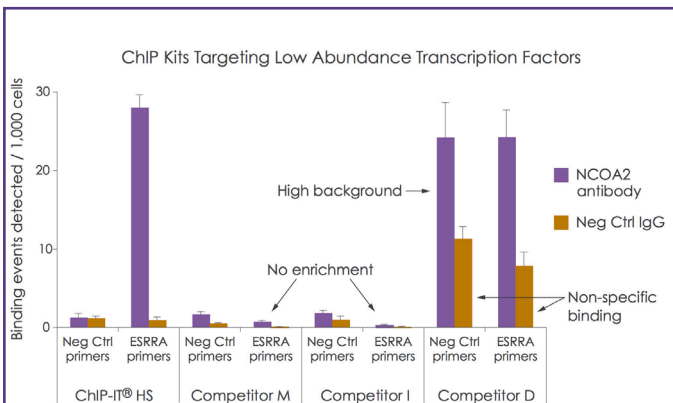


FIGURE: ChIP-IT High Sensitivity demonstrates better enrichment than competitor ChIP Kits. A comparison of ChIP kits targeting a low abundance transcription factor was performed using an antibody for the low abundance NCOA2 protein and a negative control IgG. Following enrichment, qPCR was performed using the ChIP-IT® qPCR Analysis Kit (Catalog No. 53029) in order to allow stringent normalization of the data for direct comparison of the results.

ChIP-IT® Express Kit

- Ideal for abundant proteins
- All inclusive for faster (1 day) and easier ChIP
- 100.000 cells/ Magnetic beads
- Proven track record of success with over 500 publications

ChIP-IT® Express Enzymatic Kit

- Shear chromatin by enzymatic digestion instead of sonication
- Simplifies optimization of fragment size
- Preserves chromatin and epitope integrity

ChIP-IT® High Sensitivity Kit

- For limited sample material and low abundance target proteins, starting from cells or tissues
- 100.000 cells / Agarose columns
- 2 days; one step o/n

ChIP-IT® Low Cell Kit

- Reproducible ChIP-Seq data from as little as 1,000 to 50,000 cells depending on protein abundance (starting material)
- Library included / Agarose columns

ChIP / ChIP-Seq-validated Antibodies

- Histone & Histone Modification
- DNA Methylation
- Chromatin Modifiers
- Gene Regulation
- Stem Cells

ChIP Accessories

- Control Kits for end-point and qPCR
- Control qPCR primer sets
- Ready-to-ChIP chromatin
- Dounce homogenizer

EpiShear Probe Sonicator



Specialty ChIP Kits

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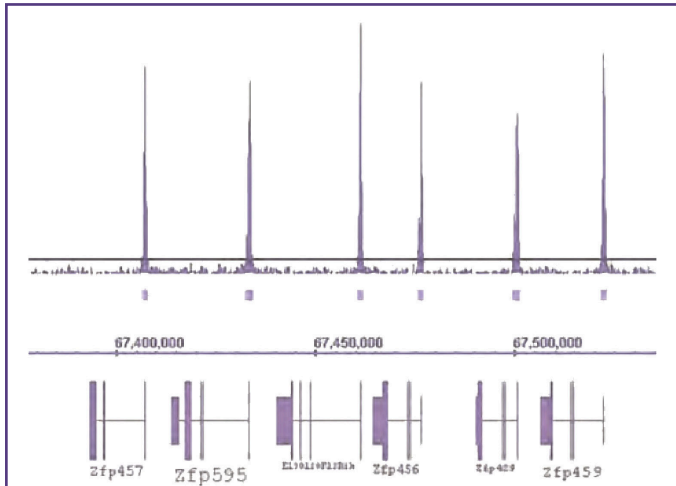


FIGURE: ChIP-IT ChIP-Seq reveals that H3K4me3 peaks are present at the start site of all *Zfp* genes. ChIP-IT ChIP-Seq was performed using a Histone H3K4me3 pAb (Catalog No. 39159) on mouse livers. The data shows the presence of H3K4me3 at the transcription start sites of several *Zfp* genes.

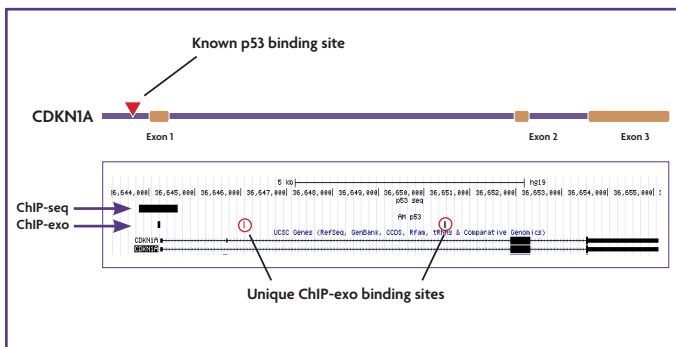


FIGURE: Identification of unique p53 binding sites. In addition to reducing the size of the identified p53 binding site (red triangle) as compared to conventional ChIP-Seq results, Active Motif's ChIP-exo method also identifies several other unique binding sites not revealed by ChIP-Seq (red circles).

ChIP-IT® ChIP-Seq Kit

- ChIP IT HS plus qPCR control reagents and a set of library construction reagents

Re-ChIP-IT® Kit

- Sequential ChIP kit to analyze protein co-localization at genomic loci

ChIP-EXO Kit

- Identifies transcription factor binding sites at 20-95 bp resolution compared to traditional ChIP-Seq resolution of ≥ 200 bp
- Enables identification of unique transcription factor binding sites not revealed by ChIP-Seq

RNA ChIP-IT® Kit

- ChIP for functional studies of *in vivo* RNA associations with chromatin

enChIP® Kit

- Utilizes the CRISPR/Cas system to target specific genomic regions for investigation of associated DNA binding interactions

Tag-ChIP-IT® Kit

- Perform ChIP without protein-specific antibodies
- Create an expression construct with your protein and a C-terminal AM-tag that is specifically designed to work in ChIP

ChIP Spike-in Chromatin and Antibody Kit

- normalize ChIP qPCR and ChIP-Seq data to reduce the effects of technical variation and sample processing bias

ChIP-IT® FFPE Kit

- Perform ChIP from FFPE samples
- 1 billion FFPE samples worldwide in hospital archives combined with pathological, clinical information

ChIP-IT® PBMC Kit

- Perform ChIP on difficult-to-lyse PBMCs