abcam

Product datasheet

ChIP Kit (Transcription factors, ChIP-seq) ab270813

4 Images

Overview

Product name ChIP Kit (Transcription factors, ChIP-seq)

Product overview ChIP Kit (Transcription factors, ChIP-seq) (ab270813) is a highly validated solution for robust transcription factor and other non-histone proteins ChIP-seq results and contains everything you need for start-to-finish ChIP prior to Next-Generation Sequencing. This complete solution contains all buffers and reagents for cell lysis, chromatin shearing, immunoprecipitation, and DNA purification. This kit contains positive and negative control antibodies (CTCF and IgG, respectively) as well as positive and negative control PCR primers pairs (H19 and Myoglobin exon 2, respectively).

Sample size:

Cells (4,000,000 cells per IP)

Tissues (30 mg of tissue per IP)

Notes Abcam has not and does not intend to apply for the REACH Authorisation of customers' uses of products that contain European Authorisation list (Annex XIV) substances.
It is the responsibility of our customers to check the necessity of application of REACH Authorisation, and any other relevant authorisations, for their intended uses.

Properties

Storage instructions Please refer to protocols.

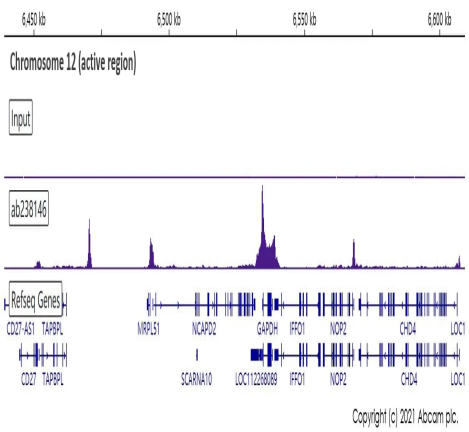
Components	24 tests	10 tests
5% BSA (DNA free)	1 x 800µl	1 x 380µl
5x ChIP Buffer C1b	1 x 6.9ml	1 x 3.4ml
Buffer C	1 x 1.6ml	1 x 700µl
Carrier	1 x 72µl	1 x 32µl

Components	24 tests	10 tests
ChIP-seq grade CTCF antibody	1 x 8µg	1 x 4µg
ChIP-seq grade H19 imprinting control region primer pair (human)	1 x 96µl	1 x 42µl
ChIP-seq grade Myoglobin exon 2 primer pair (human)	1 x 96µl	1 x 42µl
ChIP-seq grade water	1 x 26.6ml	1 x 14ml
Elution Buffer E1	1 x 3.4ml	1 x 1.5ml
Elution-buffer E2	1 x 144µl	1 x 64µl
Fixation buffer	1 x 8ml	1 x 4ml
Glycine	1 x 8.8ml	1 x 4.4ml
Lysis Buffer L1b	1 x 100ml	1 x 50ml
Lysis Buffer L2	1 x 60ml	1 x 30ml
Protease inhibitor cocktail	1 x 80µl	1 x 38µl
Protein A-coated magnetic beads	1 x 720µl	1 x 300µl
Purification Beads	1 x 400µl	1 x 180µl
Rabbit IgG	1 x 8µg	1 x 4µg
Shearing Buffer S1b	1 x 6.7ml	1 x 3.4ml
Wash buffer 1 w/o iso-propanol	1 x 2ml	1 x 900µl
Wash buffer 2 w/o iso-propanol	1 x 2ml	1 x 900µl
Wash buffer W1	1 x 8.4ml	1 x 3.5ml
Wash buffer W2	1 x 8.4ml	1 x 3.5ml
Wash buffer W3	1 x 8.4ml	1 x 3.5ml
Wash buffer W4	1 x 8.4ml	1 x 3.5ml

Cellular localization

RNA polymerase II CTD repeat YSPTSPS: Nucleus. TATA binding protein TBP: Nucleus. SP1: Nucleus. Cytoplasm. Nuclear location is governed by glycosylated/phosphorylated states. Insulin promotes nuclear location, while glucagon favors cytoplasmic location. CTCF: Nucleus > nucleoplasm. Chromosome. Chromosome > centromere. May translocate to the nucleolus upon cell differentiation. Associates with both centromeres and chromosomal arms during metaphase. Associates with the H19 ICR in mitotic chromosomes. May be preferentially excluded from heterochromatin during interphase.

Images

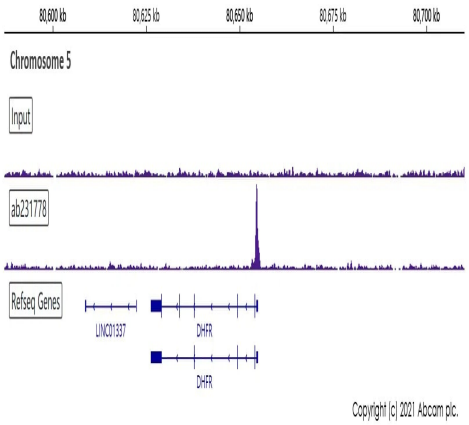


ChIP-sequencing - Anti-RNA polII CTD S2P antibody [EPR18855-87] - ChIP Grade (

ab238146

)

Chromatin was prepared from HeLa cells. Cells were fixed with 1% formaldehyde for 10 minutes. ChIP was performed with 30 µg of chromatin and 4 µg of ab238146. ChIP DNA was sequenced on the Illumina NextSeq 500 to a depth of 30 million reads. ChIP-Seq validation performed with ChIP-Kit Transcription Factors ChIP-Seq (ab270813).



ChIP-sequencing - Anti-SP1 antibody [EPR22648-50] - ChIP Grade (

ab231778

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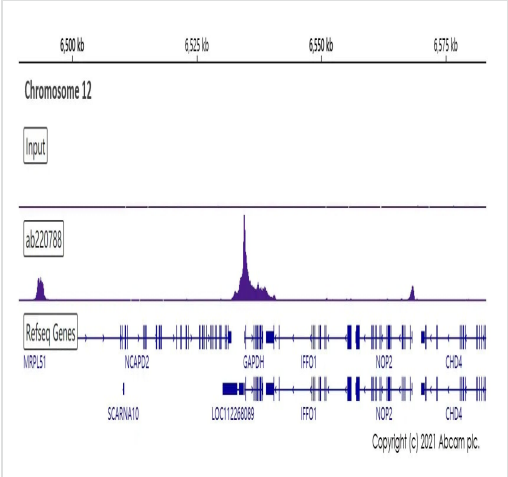
Chromatin was prepared from HeLa cells. Cells were fixed with 1% formaldehyde for 10 minutes. ChIP was performed with 30 µg of chromatin and 4 µg of ab231778. ChIP DNA was sequenced on the Illumina NextSeq 500 to a depth of 30 million reads. ChIP-Seq validation performed with ChIP-Kit Transcription Factors ChIP-Seq (ab270813).



ChIP-sequencing - Anti-TBP antibody [EPR21954] - ChIP Grade (

ab220788

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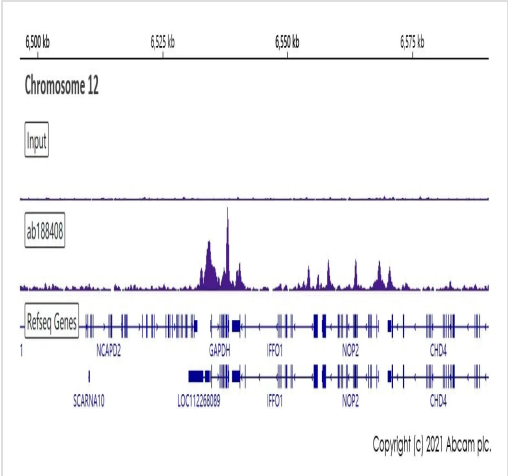
Chromatin was prepared from HeLa cells. Cells were fixed with 1% formaldehyde for 10 minutes. ChIP was performed with 30 µg of chromatin and 4 µg of ab220788. ChIP DNA was sequenced on the Illumina NextSeq 500 to a depth of 30 million reads. ChIP-Seq validation performed with ChIP-Kit Transcription Factors ChIP-Seq (ab270813).



ChIP-sequencing - Anti-CTCF antibody [EPR18253] - ChIP Grade (

ab188408

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Chromatin was prepared from HeLa cells. Cells were fixed with 1% formaldehyde for 10 minutes. ChIP was performed with 30 µg of chromatin and 4 µg of ab188408. ChIP DNA was sequenced on the Illumina NextSeq 500 to a depth of 30 million reads. ChIP-Seq validation performed with ChIP-Kit Transcription Factors ChIP-Seq (ab270813).

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