ACTIVE MOTIF®

Enabling Epigenetics Research

Vinci-Biochem®

DISTRIBUTORE ESCLUSIVO PER L'ITALIA

Vinci-Biochem Srl - Via Ponte di Bagnolo, 10 - 50059 Vinci (Firenze)

Tel. 0571 568 147 - 0571 568 135 - vb@vincibiochem.it

https://www.vincibiochem.it

CUT&Tag-IT® Assay Kits

Rapid and robust genome-wide analysis of histone marks at lower sequencing depths

CUT&Tag (Cleavage Under Targets and Tagmentation) utilizes a protein A (pA) Tn5 chimera (pA-Tn5) and a mouse or rabbit primary antibody to a histone or histone mark of interest to tether the pA-Tn5. This directs the Tn5 activity to tagment the DNA around the target of interest genome-wide, without any extra NGS library preparation steps, to reveal the genetic sequences of those sites of interest. CUT&Tag requires much less input material and sequencing read depths than ChIP-Seq, and can be perfomed in 1-2 days.

CUT&Tag-IT® R-loop Assay Kit

Genome-wide profiling of DNA-RNA Hybrid R-loops.

CUT&Tag-IT® Spike-In Control, R-loop

Identify biological differences between CUT&Tag-IT R-loop Assay samples

CUT&Tag-IT® Express Assay Kit

Less variable and higher-throughput genome-wide profiling of histone marks

CUT&Tag-IT™ Kit - Tissue

Profile histone marks with rabbit or mouse antibodies from 0.5 to 10 mg of tissue

CUT&Tag-IT™ Kit - Cells

Rapid and robust genome-wide analysis of histone marks at lower sequencing depths

CUT&Tag-IT® Spike-In Control

Compare Between CUT&Tag Assay Datasets with Confidence

Recombinant Transposase Enzymes

Tn5 and pA-Tn5 proteins for 1 to 96 rxn ATAC-Seq and CUT&Tag

CUT&RUN Assay Kit

Lower cell input than traditional ChIP

CUT&RUN (Cleavage Under Targets & Release Using Nuclease) is an epigenetic method used to investigate the genome-wide distribution of various chromatin-associated proteins and their modifications. CUT&RUN is a derivative of chromatin immunocleavage (ChIC). CUT&RUN is similar to chromatin immunoprecipitation (ChIP), in that it utilizes an antibody to target chromatin-associated marks and proteins, but requires less sample material and less sequencing depths than ChIP.

CUT&RUN Assay Kit

Genome-wide chromatin-associated protein profiling from 5,000 to 500,000 cells.

CUT&RUN Spike-In Control

Normalize between CUT&RUN datasets with certainty to identify biological differences.

Tissue Prep for NGS Assays

Tissue sample preparation for CUT&RUN, CUT&Tag, or CUT&Tag R-loop Assays

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ATAC-Seq Kits

Genome-wide profiling of open chromatin regions

ATAC-Seq (Assay for Transposase-Accessible Chromatin) is a rapid and simple method for profiling open chromatin regions genome-wide. Because ATAC-Seq utilizes hyperactive mutant transposase Tn5, NGS adapters are simultaneously integrated while open chromatin regions are fragmented by the transposase, yielding next-gen sequencing-ready libraries without a library preparation step in 1-2 days.

ATAC-Seq Assay Kit

Profile open chromatin regions in fresh or frozen cells or tissues.

ATAC-Seq Spike-In Control

Compare ATAC-Seq Assay datasets with confidence to reveal meaningful biological distinctions.

Fixed Cell ATAC-Seq Assay Kit

Profile open chromatin regions in formaldehyde-fixed cells.

Recombinant Transposase Enzymes

Tn5 and pA-Tn5 proteins for 1 to 96 rxn ATAC-Seq and CUT&Tag

Nextera™-Compatible Multiplex Primers

Multiplex up to 96 ATAC-Seq samples.

ChIP-IT® Kits

Use the best ChIP for your sample type and experimental goals

ChIP-IT High Sensitivity®

This is our best-selling ChIP kits and is the go-to all-purpose ChIP kit for most sample types and targets.

ChIP-IT® Express Chromatin Immunoprecipitation Kits

The ChIP-IT Express family of kits are the first ChIP kits that used magnetic beads to enable performing ChIP assays in a single day and they are still the best.

ChIP-Seq Spike-In Normalization

Our novel spike-in normalization approach allows you to analyze ChIP-Seq data with confidence and identify true biological differences between samples.

Low Cell ChIP

Complete ChIP workflow from as few as 1,000 cells.

Low Cell ChIP Optimization Module

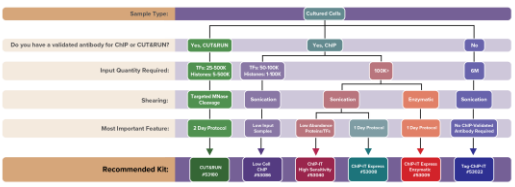
Optimize low cell ChIP assays and easily perform troubleshooting.

TIP-ChIP™ Assay Kit *New!*

Maximize throughput and minimize variability in multiple sample ChIP-Seq

Chromatin Assay Selection Guide

What is your source material?



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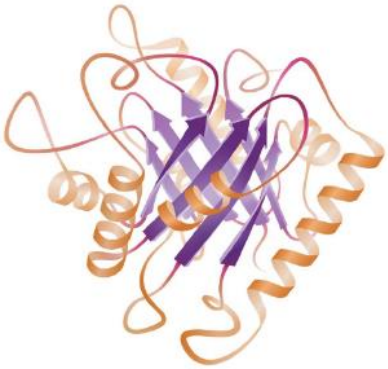
Proteins & Enzymes for epigenetics, drug discovery and development



Recombinant Nucleosomes
Histones & Modified Histones
Bromodomain Proteins
RNA Methylation Enzymes
DNA Methylation Enzymes
Transcription Factors
DNA Damage Proteins

HATs & HDACs
HMTs & HDMs
Histone Peptides
Protein Kinases
Growth Factors
Ubiquitination
Other Proteins

KRAS In-well ELISA Kit

Global 5-hmC DNA ELISA Kit

Global DNA Methylation Assay–LINE-1

TransAM® Transcription Factor Activation Assays

Cited in more than 1000 publications

AP-1	C/EBP α/β	FKHR (FOXO1)	MAPK Family	Nrf2	STAT3
ATF-2	CREB & pCREB	HIF-1	NFATc1	p53	T-bet
c-Myc	ER	IRF-3	NFκB	PPARγ	

Co-Immunoprecipitation

Traditional methods for performing Co-IP are not optimal for studying DNA-binding protein complexes as they are often disrupted during the extraction process. In addition, many unstable protein complexes can be affected by the salt and detergent composition of the buffers used during immunoprecipitation. Active Motif's Co-IP Kits have been optimized, using a gentle nuclear or cytoplasmic extraction followed by low-stringency Co-IP and wash buffers to help maintain intact protein complexes.

Nuclear Complex Co-IP Kit
Universal Magnetic Co-IP Kit

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The Epigenetics Resources

Epigenetics is complicated. It seems like there are new papers every day uncovering new histone modifications, revealing new details of epigenetic mechanisms, or describing novel tools to enable epigenetics research. The Active Motif team of scientists compiled amazing resources: Comprehensive Guides, Epigenetics Blog, eBooks, Scientific Posters, Manuals, Protocols and much, much more...

Antibodies
to study epigenetics and gene regulation

AbFlex® Recombinant Antibodies

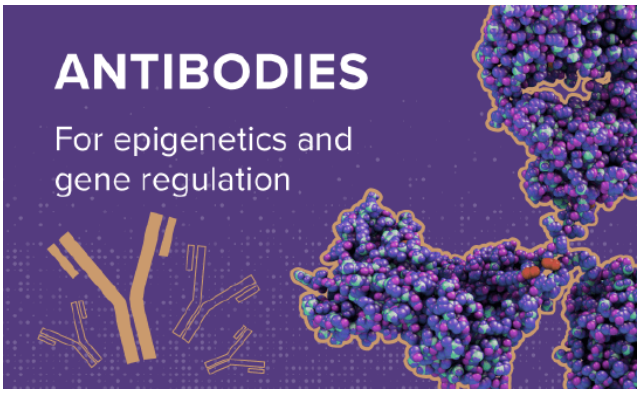
Our recombinant antibodies are highly specific and deliver unsurpassed reproducibility.

ChIP-Validated Antibodies

CUT&Tag-Validated Antibodies

CUT&RUN-Validated Antibodies

TIP-ChIP-Validated Antibodies



DNA Library Prep Kit for Illumina®

Dual Index NGS Kit for ChIP-Seq, CUT&RUN, and ds methylated DNA assays.

Dual Index Primers Set 1 for Illumina®
Dual Index Primers Set 2 for Illumina®

RapCap Beads for cfDNA Isolation

Rapid Capture Magnetic Beads for cfDNA Isolation

RapCap™ Beads – cfDNA Isolation, Plasma
RapCap™ Beads – cfDNA Isolation, Saliva