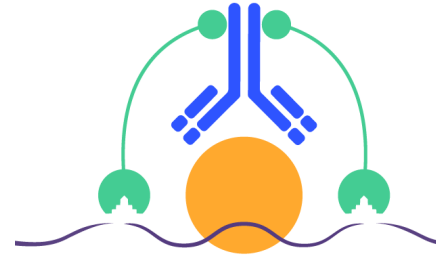


ChIC / CUT&RUN Assay Kit

Profile chromatin-associated proteins from lower cell input than ChIP

- Compatible with 5,000 to 500,000 cells
- Complete kit with optimized protocol
- Developed for genome-wide chromatin-associated protein profiling

In [CUT&RUN](#) (Chromatin Immunocleavage and Cleavage Under Targets & Release Using Nuclease), a protein of interest is tagged with an antibody and bound to the chromatin in intact cells. Then, a micrococcal nuclease (MNase) is used to cleave the DNA specifically at the binding sites of the protein of interest. The released fragments are purified, sequenced, and mapped to the reference genome to determine the protein's binding sites. Unlike ChIP, CUT&RUN does not require crosslinking of the protein to the DNA, which can introduce artifacts.



Selection Guide

What is your source material?



Cultured Cells | Frozen/FFPE Tissue or PBMCs | Profile Open Chromatin Regions | Limited Sample Material



CUT&RUN vs. CUT&Tag vs. ChIP-Seq

ATAC-Seq kit

Analyze open chromatin regions at genome-wide scale in formaldehyde-fixed cells

- Differential analysis of open chromatin regions
- Yields 16 NGS-ready libraries
- Rapid, optimized protocol
- 34 published references
- New! [Fixed Cell ATAC-Seq Kit](#)



CUT&Tag-IT™ Kit - Cells

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

- Yield 16 NGS-ready libraries
- Faster protocol than ChIP-Seq
- 12 published references
- Validated antibodies available



CUT&Tag-IT™ Kit - Tissue

- Compatible with 0.5 – 10 mg tissue
- Includes specialized lysis buffer for tissue nuclei isolation
- Developed for histone marks
- Sequencing-ready libraries without the laborious and costly steps of ChIP-Seq
- Low background signal enables lower sequencing depth
- No artifacts caused by formaldehyde crosslinking



Recombinant Transposase Enzymes

Tn5 and pA-Tn5 proteins for ATAC-Seq and CUT&Tag

Recombinant pA-Tn5 Transposase
10 µg 53161 - 100 µg 53162

Recombinant Tn5 Transposase protein
10 µg 81286 - 100 µg 81284

Protein	Assay
Tn5	ATAC-Seq
pA-Tn5	CUT&Tag



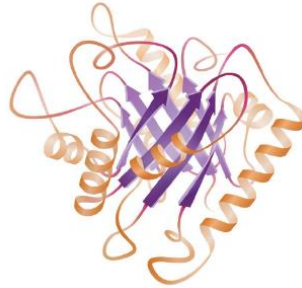
Low Cell ChIP Kit

ChIP for limited cell numbers or small amounts of tissue

- Reproducible ChIP for histone modifications or transcription factors from as few as 1,000 cells
- Blocking reagents and an optimized protocol improve signal-to-noise ratio for better peak calling and lower background
- The Low Cell ChIP DNA fragments are double-stranded and should work with any commercial DNA library preparation kit designed for sub-nanogram levels of DNA



Proteins & Enzymes for epigenetics, drug discovery and development



Recombinant Nucleosomes
Histones & Modified Histones
Bromodomain Proteins
RNA Methylation Enzymes
DNA Methylation Enzymes

HATs & HDACs
HMTs & HDMs
Histone Peptides
Other Proteins & Enzymes

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
ATF-2
c-Myc
C/EBP α/β
CREB & pCREB

EIk-1
ER
FKHR (FOXO1)
GATA
GR

HIF-1
IRF-3
MAPK Family
MEF2
MyoD

NF-YA
NFATc1
NFkB
Nrf2
Oct-4

p53
PPAR γ
Sp1 and Sp1/Sp3
STAT3 & STAT Family
T-bet

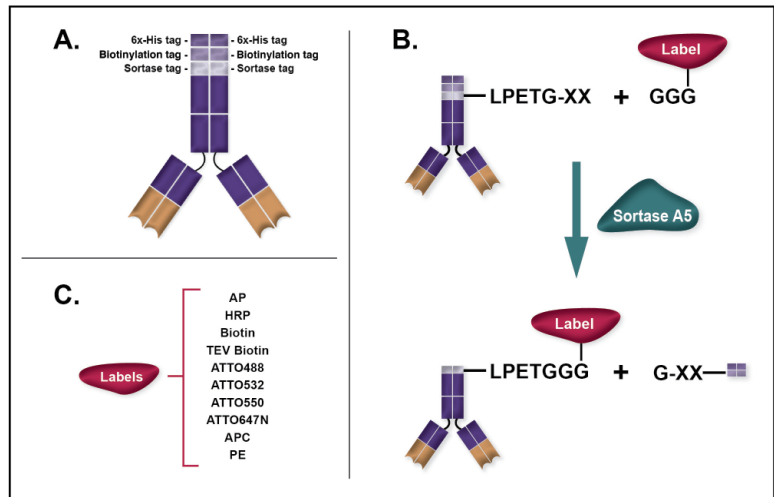
Antibodies to study epigenetics and gene regulation



AbFlex® Recombinant Antibodies



Highly specific
Unsurpassed reproducibility
Best price



CUT&Tag-Validated Antibodies



Chromatin Modifiers Antibodies



Transcription Factors Antibodies



Histones & Histone Modifications Antibodies



DNA Methylation Antibodies

5-mC, 5-hmC
other variants



ChIP-Validated Antibodies

