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Epigenetics Made Simple

Products and Services for DNA Methylation & Hydroxymethylation Analysis

5-mC & 5-hmC Research Tools

- The most cited bisulfite technologies for DNA methylation analysis by...
 - ✓ Bisulfite Sequencing (Next-Gen/Sanger)
 - ✓ Pyrosequencing
 - ✓ Methylation Specific PCR... *and more!*
- All bisulfite kits are easy-to-use and feature streamlined workflows.
- Magnetic bead formats are available for automated applications.



Zymo Research provides the most comprehensive offering of validated products for epigenetics research including: standards, antibodies, ELISAs, and novel assays for detection of 5-mC and 5-hmC in DNA.

Genome-wide 5-mC & 5-hmC Services

Simply send us your **DNA from any species** and receive the genome-wide methylation or hydroxymethylation epigenetic profile in a publication-ready format.

"We do the bioinformatics so you don't have to!"



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Protein Expression
Guaranteed!



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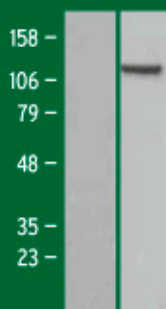
Expression validated by Western

Sequence verified

Transfection ready

Easily shuttled into 60 vectors

Next-day shipment



HEK293 were transfected with
L) empty vector R) TrueORF for
Myc/DDK-tagged hTERT (Cat#
RC217436). The lysates were
analyzed using anti-DDK antibody
to show over-expression of hTERT.
*DDK is the same as FLAG.

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Lead the way on epigenetics

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Let our EpiSeeker kits guide you through



The **EpiSeeker** range of kits for epigenetics is all you need to get the best results in no time. From histone modification quantification to methylated DNA ChIP kits, you have the right tool at your hands.

- **Simple and reliable assays**
- **Ready to go - All essential components present in the kit**



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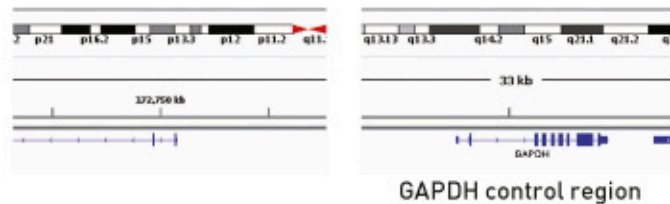
Your Next Best Friend in Epigenetics

The IP-Star® Compact Automated System

- **High-resolution** ChIP-seq and MeDIP-seq profiles
- **Under 15 minutes** hands-on time!
- **Fully automated** and completely affordable



The IP-Star® Automated System delivers high quality ChIP-seq data



H3K4me3 ChIP-seq data
(automated experiment)



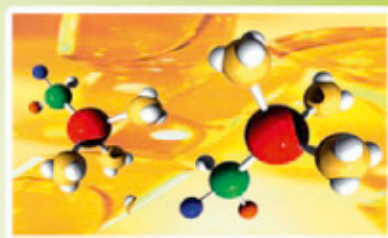
H3K4me3 ChIP-seq data
(manual experiment)



H3K4me3 ChIP-seq results obtained (1) with the Diagenode IP-Star Compact® Automated System and (2) manually. ChIP was performed on sheared chromatin from 2 million leukemia cells using 2 µg of Diagenode's H3K4me3 antibody and analyzed on an Illumina Genome Analyzer. The figure shows the peak distribution along the GAPDH gene. These results clearly show high similarity of peaks distribution. Data obtained by the IP-Star® showed high correlation with manual ChIP results.

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- ◆ Oligos in 96-well plate



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- ◆ Cyclic peptides
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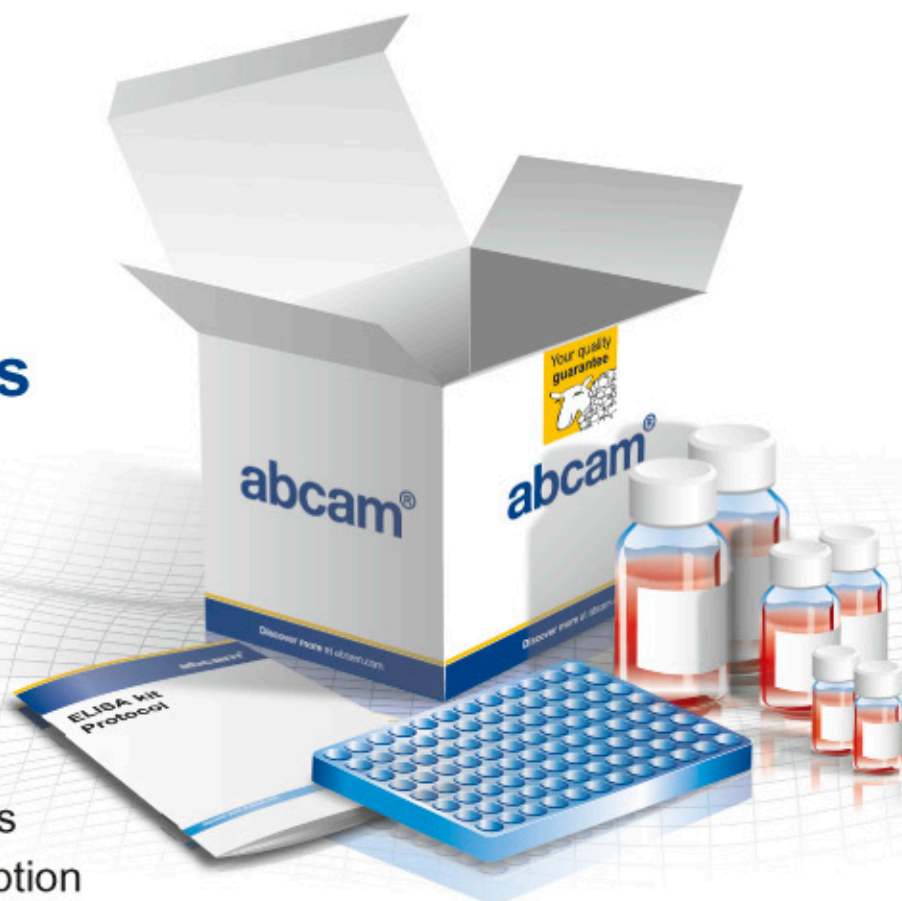
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New - ELISA kits for the quantitative detection of nuclear receptors



Steroid hormone receptors are ligand-activated transcription factors that regulate eukaryotic gene expression with effects on cellular proliferation and differentiation downstream.

Our ELISA kits optimally detect:

- Androgen receptor (ab128498)
- Estrogen receptor alpha (ab128499)
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AACR

*American Association
for Cancer Research*

ANNUAL MEETING

2013

April 6-10, 2013
Walter E. Washington
Convention Center
Washington, DC

It has been said around the world that the AACR Annual Meeting drives the cancer agenda.

Be a part of the **American Association for Cancer Research's Annual Meeting 2013** so you won't miss:

- The premier meeting in cancer research that brings together more than 17,000 of the best and the brightest in the cancer field from over 60 countries
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Abstract submission deadline: November 15, 2012

www.aacr.org/AACR2013

Attention Molecular Biologists: Apply for Research Grants

THE MICHELSON GRANTS

The Foundation seeks proposals for up to **\$250,000** per year for up to 3 years of funding for research in pursuit of permanent contraceptives for male and female cats and dogs.

The first step in the Michelson Grant process is submission of a Letter of Intent (LOI).

For further details, visit: <http://michelson.foundanimals.org>.

THE MICHELSON PRIZE

A **\$25 million prize** will be awarded to the first entity to provide to Found Animals a safe, effective, and practical non-surgical sterilant for use in cats and dogs.

The winning entry for the Michelson Prize in Reproductive Biology must meet the following criteria:

- Single dose, permanent non-surgical sterilant
- Safe and effective in male and female cats and dogs
- Ablates sex steroids and/or their effects
- Suitable for administration in a field setting
- Viable pathway to regulatory approval
- Reasonable manufacturing process and cost



MICHELSON
PRIZE & GRANTS

The Michelson Prize & Grants is open to any entity from any nation. Found Animals encourages scientists from a diverse range of fields to compete for the Michelson Prize & Grants.

For more information about the Michelson Prize & Grants, visit:
<http://michelson.foundanimals.org>




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