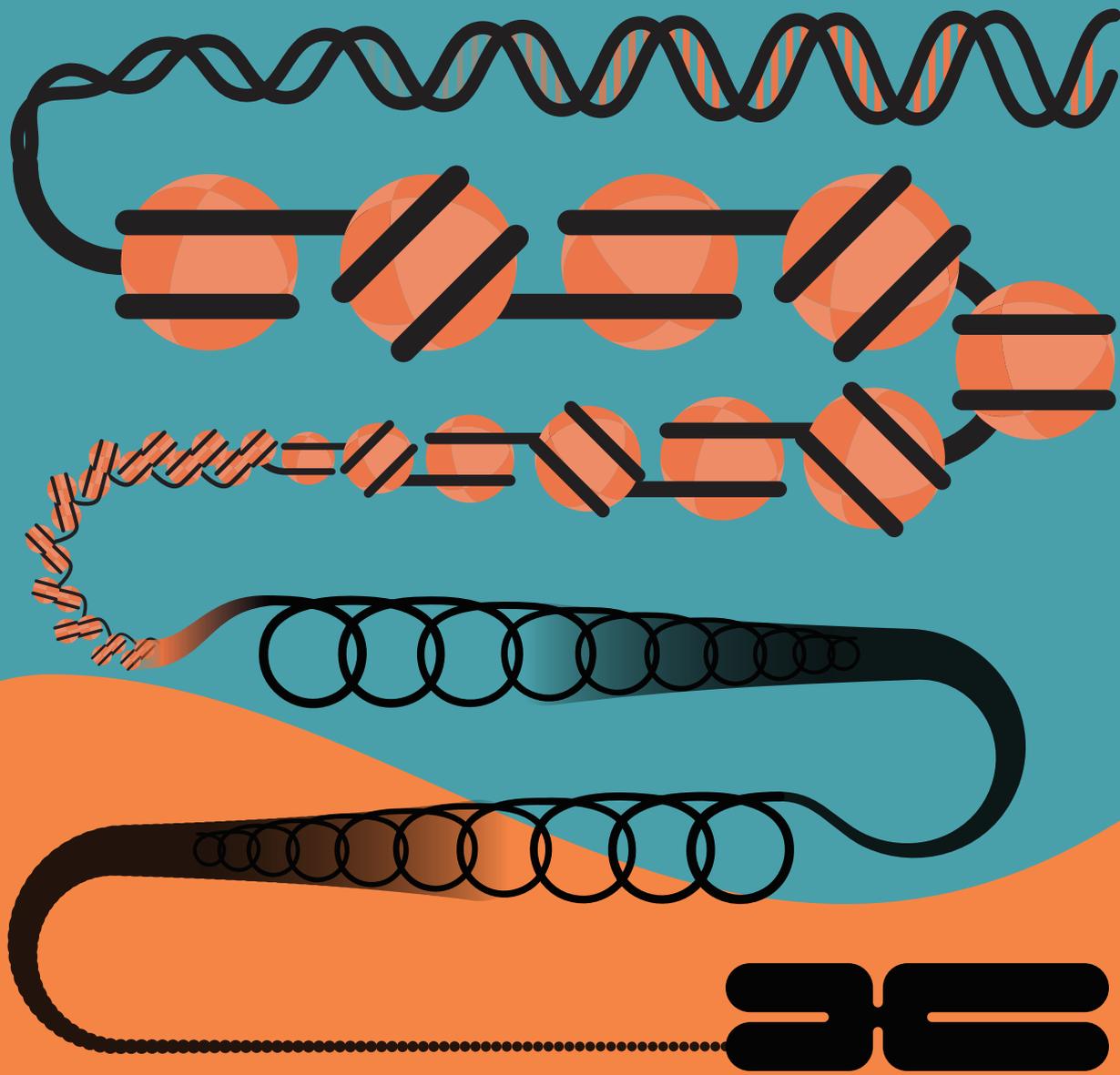


Revealing Gene Regulation through Epigenetics

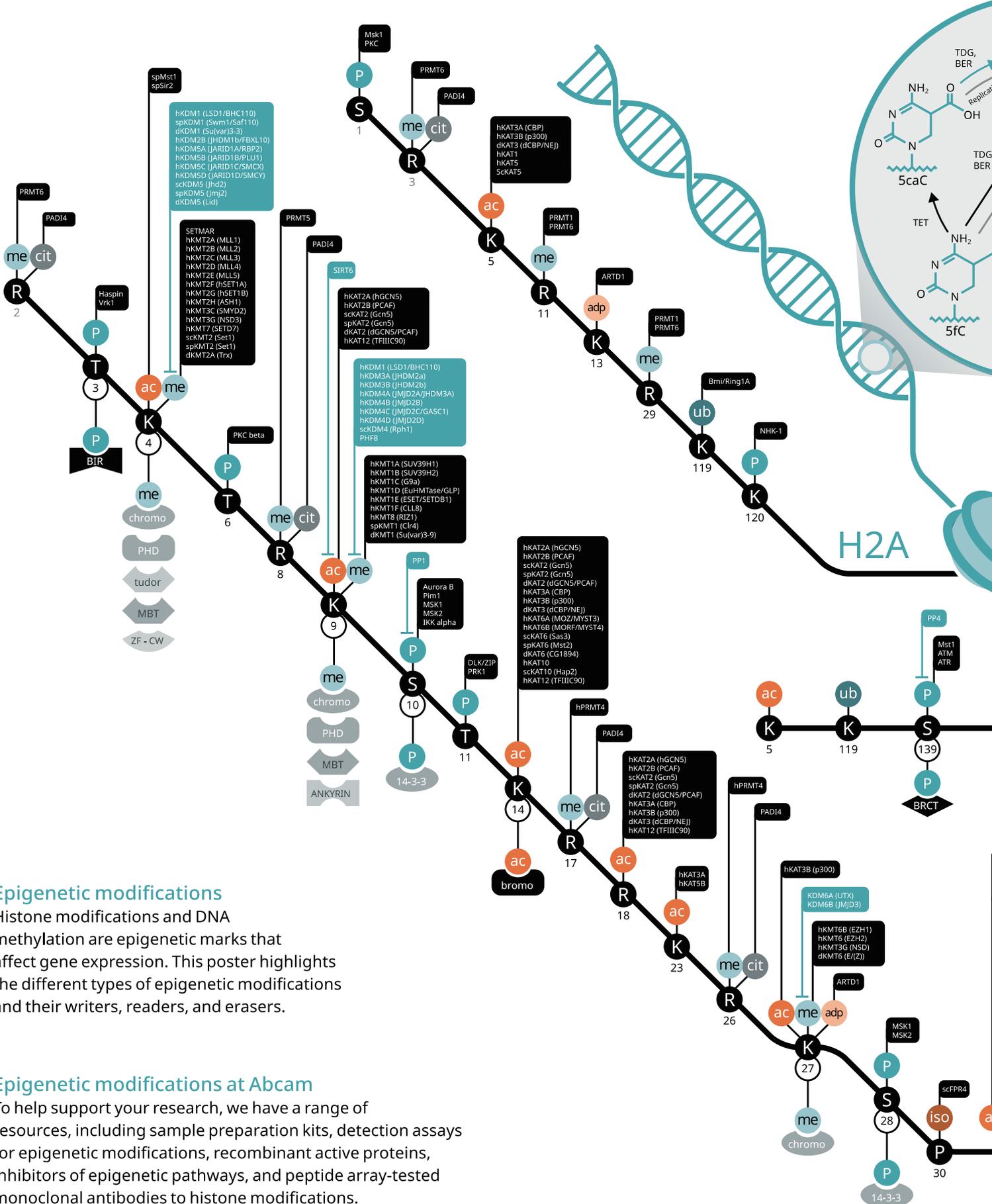


Maximize your research efficiency and output with our top-performing epigenetics tools and reagents, trusted by leading scientists worldwide

progress happens together
abcam



Epigenetic modifications



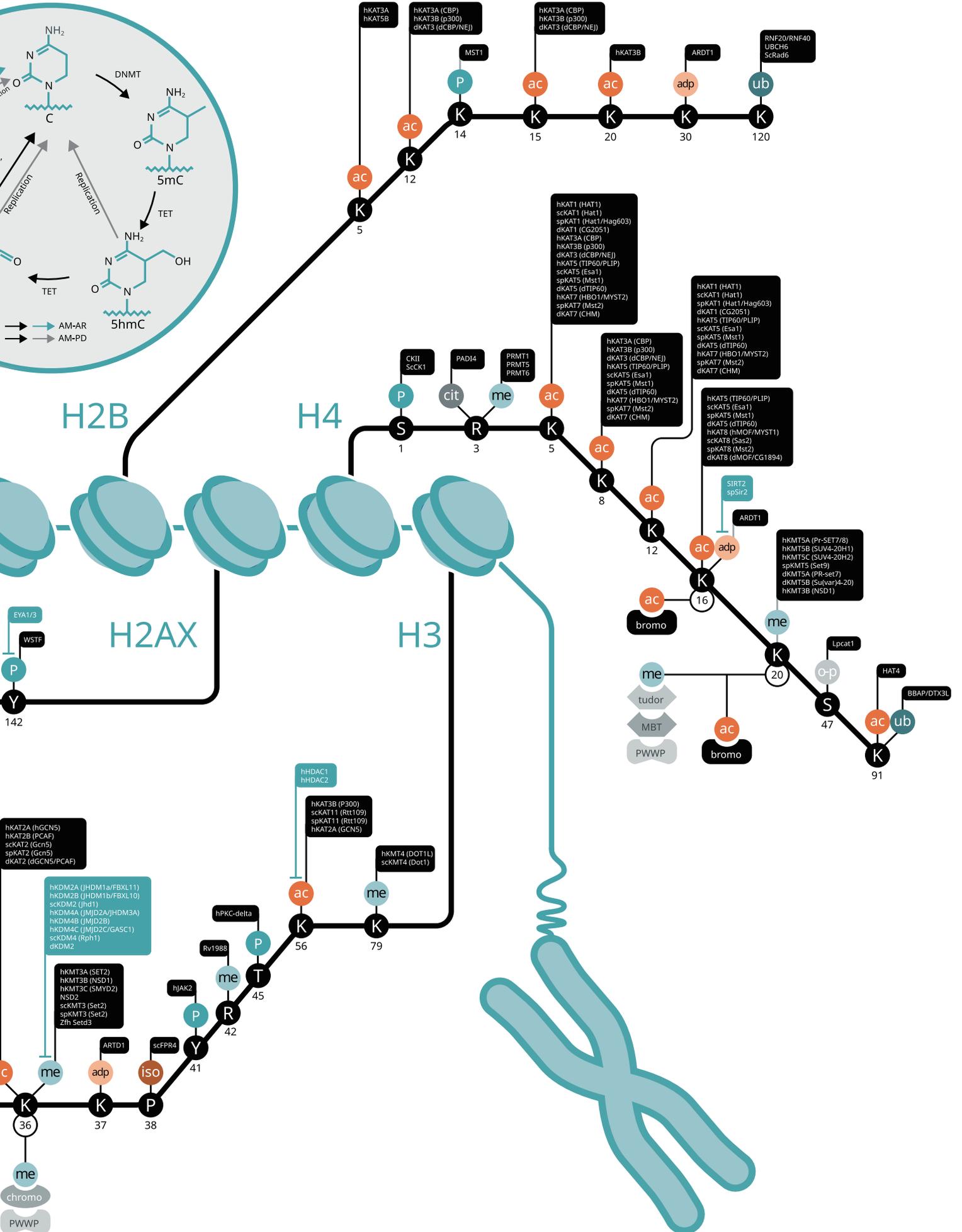
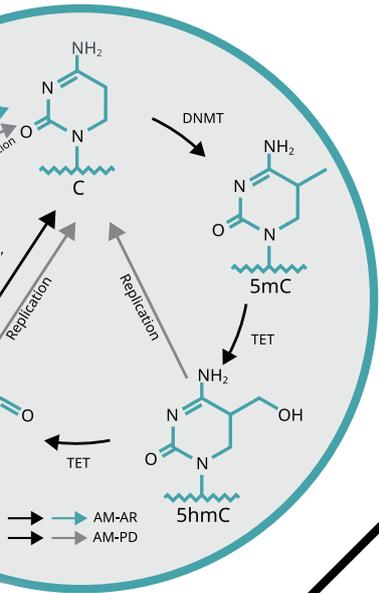
Epigenetic modifications

Histone modifications and DNA methylation are epigenetic marks that affect gene expression. This poster highlights the different types of epigenetic modifications and their writers, readers, and erasers.

Epigenetic modifications at Abcam

To help support your research, we have a range of resources, including sample preparation kits, detection assays for epigenetic modifications, recombinant active proteins, inhibitors of epigenetic pathways, and peptide array-tested monoclonal antibodies to histone modifications.

To find out more, check out our epigenetics content library where you can find more posters, guides, protocols, and webinars.



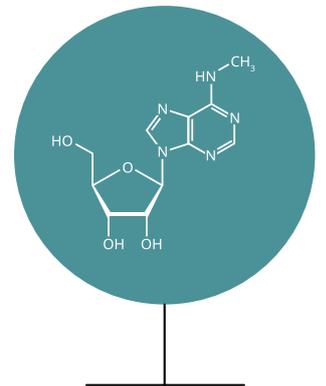
Epigenetics

表觀遺傳學 (Epigenetics) 主要探討行為、環境和表型如何改變基因活性和表達。與基因變化不同，表觀遺傳學修飾通常是可逆的，而不會改變 DNA 序列。

abcam 建立了高品質的重組抗體產品線，幫助您完成最新表觀遺傳學實驗技術。無論您是進行基礎表觀遺傳學研究，或是癌症和其他疾病的基礎下探討相關的表觀遺傳學，abcam 將在實驗上提供您最大的協助。

表觀遺傳學的常見研究主題包括 DNA 甲基化 (DNA methylation)、RNA 修飾 (RNA modifications)、組蛋白修飾與調控 (Histone regulation, modification)，與多聚體和染色質重塑 (Polycomb and chromatin remodeling)。

abcam 也針對常見的表觀遺傳學指標，提供一系列的 ChIP 等級抗體。



m⁶A

Full name: N6-methyladenosine
Location: mRNA, tRNA, rRNA, snRNA, lncRNA
Known: RNA stability, splicing, export, translation efficiency

表觀遺傳學重要指標

組蛋白修飾、調控

EP300

CREBBP

MECP2

H3K4me3

H3K27me3

H3K27ac

多聚體和染色質重塑

EZH2

SUZ12

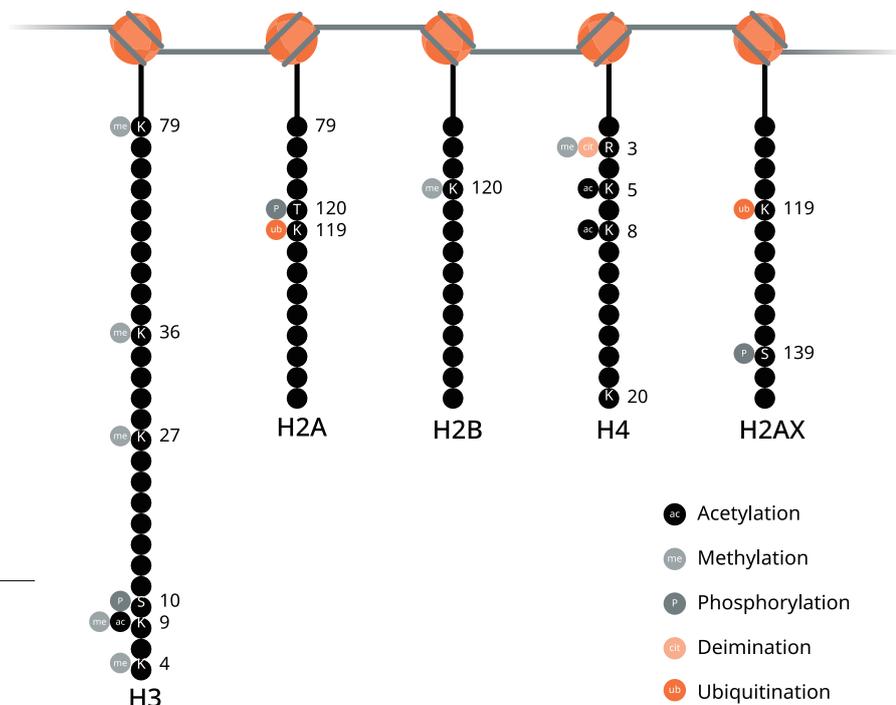
EED

RNA修飾

m⁶A

METTL3

YTHDF2



Together, we are advancing
Epigenetics research

abcam.com/research/epigenetics

