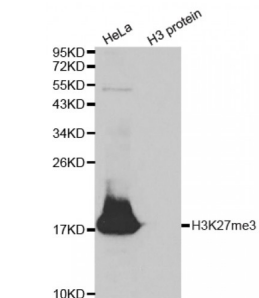


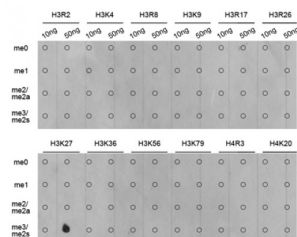
Abbexa Ltd, Innovation Centre, Cambridge Science Park, Cambridge, CB4 0EY, UK
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Histone H3K27me3 Antibody

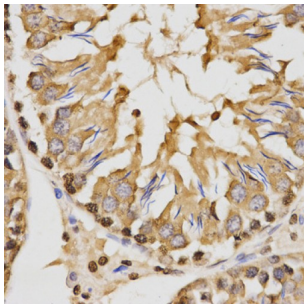
Catalogue No.:abx000010



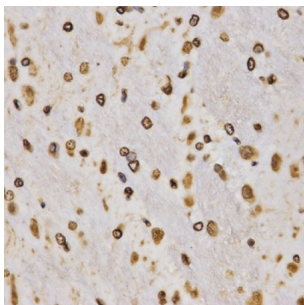
Western blot analysis of extracts of various cell lines, using Trimethyl-Histone H3-K27 antibody (abx000010) at 1/500 dilution.



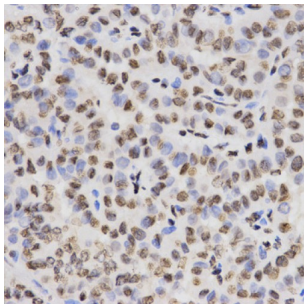
Dot-blot analysis of various methylation peptides using Trimethyl-Histone H3-K27 antibody (abx000010).



Immunohistochemistry of paraffin-embedded rat testis using Trimethyl-Histone H3-K27 antibody (abx000010) at dilution of 1/200 (40x lens).

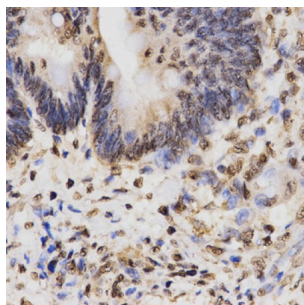


Immunohistochemistry of paraffin-embedded rat brain using Trimethyl-Histone H3-K27 antibody (abx000010) at dilution of 1/200 (40x lens).

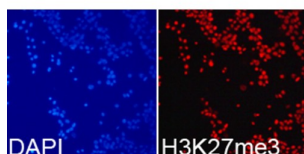


Immunohistochemistry of paraffin-embedded human thyroid cancer using Trimethyl-Histone H3-K27 antibody (abx000010) at dilution of 1/200 (40x lens).

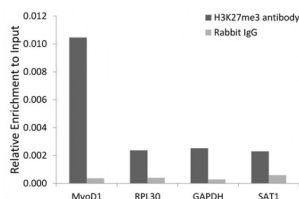
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Immunohistochemistry of paraffin-embedded human rectal cancer using Trimethyl-Histone H3-K27 antibody (abx000010) at dilution of 1/200 (40x lens).



Immunofluorescence analysis of 293T cells using Trimethyl-Histone H3-K27 antibody (abx000010). Blue: DAPI for nuclear staining.



Chromatin immunoprecipitation analysis of various genes from 293 cell line, using H3K27me3 antibody (abx000010) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.

Histone H3K27me3 Antibody is a Rabbit Polyclonal antibody against Histone H3K27me3. Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.

Target:	Histone H3K27me3
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Tested Applications:	WB, IHC, IF/ICC, IP, ChIP

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Recommended dilutions: WB: 1/500 - 1/2000, IHC: 1/50 - 1/200, IF/ICC: 1/50 - 1/200, IP: 1/50 - 1/200, ChIP: 1/20 - 1/100, ChIPseq: 1/20 - 1/100. Optimal dilutions/concentrations should be determined by the end user.

Immunogen: Synthetic Peptide. A synthetic methylated peptide corresponding to residues surrounding K27 of human histone H3.

Purification: Affinity purified.

Form: Liquid

Isotype: IgG

Conjugation: Unconjugated

Storage: Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

Molecular Weight: Calculated MW: 15 kDa
Observed MW: 17 kDa

Swiss Prot: [Q16695](#)

GeneID: [8290](#)

Gene Symbol: H3K27me3

Concentration: > 1 mg/ml

Buffer: PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.

Note: This product is for research use only.