

Product datasheet

EpiSeeker ChIP Kit - Histone H3 (methyl K27) - Tissue ab117147

Overview

Product name	EpiSeeker ChIP Kit - Histone H3 (methyl K27) - Tissue
Sample type	Tissue
Assay time	5h 00m
Species reactivity	Reacts with: Mouse, Human, Mammals
Product overview	<p>The position of the histone H3 at lysine 27 H3 (K27)) is important for epigenetic regulation of genes, as it can be either methylated or acetylated. It has been demonstrated that switching H3 (acetyl K27) to methylation on H3 (methyl K27) leads to chromatin gene silencing in many organisms. Thus, identification of genes silenced through <i>H3 (methyl K27)</i> is of particular significance for understanding and analyzing biological processes under normal and pathological conditions.</p> <p>EpiSeeker ChIP Kit - Histone H3 (methyl K27)-Tissue (ab117147) enables the user to investigate <i>in vivo</i> H3 (methyl K27)-DNA interactions within 5 hours. The kit is suitable for combining the specificity of immunoprecipitation with qualitative and quantitative PCR, MS-PCR, DNA sequencing, and southern blot, as well as DNA microarray.</p> <p>Ab117147 uses an antibody that detects Histone H3 di-methylated on K27.</p> <p>If you are using cells (adherent or in suspension) as starting material, we recommend the use of EpiSeeker ChIP Kit - Histone H3 (methyl K27) (ab117146)</p>
Notes	<p>Store Protease Inhibitor Cocktail, Normal Mouse IgG, Anti-Dimethyl-H3-K27, Proteinase K and 8-Well Assay Strips at 4°C.</p> <p>Store all other components at room temperature.</p> <p>The kit is stable for up to 6 months from the shipment date, when stored properly.</p>
Tested applications	Suitable for: ChIP

Properties

Storage instructions Please refer to protocols.

Components	24 tests	48 tests
1000X Protease Inhibitor Cocktail	1 x 25µl	1 x 40µl

Components	24 tests	48 tests
8-Well Assay Strips (with Frame)	3 units	6 units
8-Well Strip Caps	3 units	6 units
Anti-Dimethyl-H3-K27 (1 mg/ml)	1 x 25µl	1 x 50µl
ECM1 (Wash Buffer)	1 x 28ml	2 x 28ml
ECM2 (Antibody Buffer)	1 x 15ml	1 x 30ml
ECM3 (Lysis Buffer)	1 x 4ml	1 x 6ml
ECM4 (ChIP Dilution Buffer)	1 x 4ml	1 x 6ml
ECM5 (DNA Release Buffer)	1 x 1ml	1 x 2ml
ECM6 (Reverse Buffer)	1 x 1ml	1 x 2ml
ECM7 (Binding Buffer)	1 x 5ml	1 x 8ml
ECM8 (Elution Buffer)	1 x 0.6ml	1 x 1.2ml
F-Collection Tube	30 units	50 units
F-Spin Column	30 units	50 units
Homogenizing Buffer	1 x 5ml	1 x 10ml
Normal Mouse IgG (1 mg/ml)	1 x 10µl	1 x 20µl
Proteinase K (10 mg/mL)	1 x 25µl	1 x 50µl

Applications

Our [Abpromise guarantee](#) covers the use of **ab117147** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ChIP		Use at an assay dependent concentration.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery

- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors