

Anti-5-Hydroxymethylcytosine (5hmc) [AB3/63.3] rAb

Catalogue number: 153274

Sub-type: Primary antibody

Images:

Contributor

Inventor: Wolf Reik

Institute: Absolute Antibody ; Babraham Institute

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-5-Hydroxymethylcytosine (5hmc) [AB3/63.3] rAb

Alternate name:

Class: Recombinant

Conjugate: Unconjugated

Description: The anti-5-Hydroxymethylcytosine antibody, clone AB3/63.3, detects 5-hydroxymethyl cytosine (hmc, 5hmc), but not 5-methylcytosine or unmethylated cytosine. 5-Hydroxymethylcytosine is a DNA pyrimidine nitrogen base. It is formed from the DNA base cytosine by adding a methyl group and then a hydroxy group. Every mammalian cell contains 5-hydroxymethylcytosine, but the levels vary depending on the cell type; generally, the levels of 5-hydroxymethylcytosine increase with age. Although the exact...

Purpose: Marker

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG2a kappa

Reactivity: All

Selectivity:

Host: Rat

Immunogen: 5-Hydroxymethylcytosine conjugated to BSA

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: Unmodified DNA, 5-Methylcytosine DNA, and 5-hydroxymethylcytosine DNA

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: 5-Hydroxymethylcytosine (5hmC)

Target alternate names:

Target background: The anti-5-Hydroxymethylcytosine antibody, clone AB3/63.3, detects 5-hydroxymethyl cytosine (hmc, 5hmc), but not 5-methylcytosine or unmethylated cytosine. 5-Hydroxymethylcytosine is a DNA pyrimidine nitrogen base. It is formed from the DNA base cytosine by adding a methyl group and then a hydroxy group. Every mammalian cell contains 5-hydroxymethylcytosine, but the levels vary depending on the cell type; generally, the levels of 5-hydroxymethylcytosine increase with age. Although the exact...

Molecular weight:

Ic50:

Applications

Application: IF ; IP ; DB

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Original hybridoma first published in: Yewdell et al. 1986. J. Virol. 59,. 444-452. PMID: 2426467

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