

5-Carboxylcytosine / 5-caC antibody

Cat. No. GTX60801

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	ICC/IF, IP, Dot, ChIP assay
Reactivity	Species independent

References (1)

Package

50 µg

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
ICC/IF	1:500
IP	1-5 µg
Dot	1:500 - 1:1,000
ChIP assay	Assay dependent

Not tested in other applications.

Properties

Form	Liquid
Buffer	PBS, 30% Glycerol
Preservative	0.05% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	5-Carboxylcytosine (5ca-CMP monophosphate) conjugated to BSA.
Purification	Purified by affinity chromatography
Conjugation	Unconjugated

Note

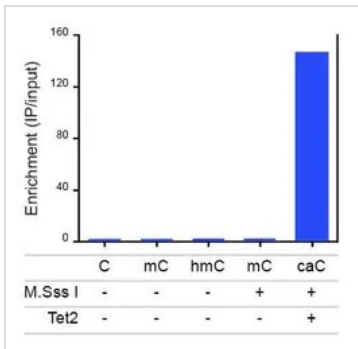
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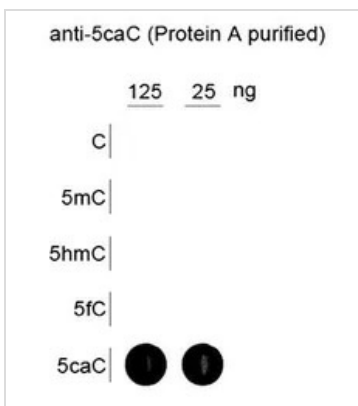
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DATA IMAGES



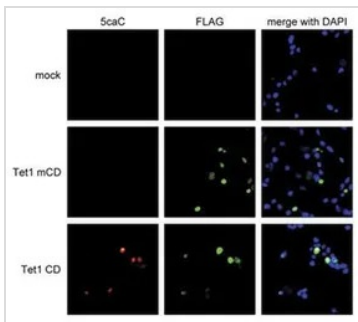
GTX60801 ChIP assay Image

ChIP analysis of 2 µg of J1 ES genomic DNA spiked with 1 pg of a control DNA fragment (approximately 700 bp from the RFP (Ring finger protein) gene) containing different cytosine modifications using GTX60801 5-Carboxylcytosine / 5-caC antibody. The mC and hmC control DNA was generated by PCR with the corresponding nucleotide. The caC control fragment was obtained by in vitro methylation using M.SssI methyltransferase followed by oxidation with purified Tet2. The IP'd DNA was subsequently analysed by qPCR using primers specific for the control DNA fragments and for GAPDH, used as a negative control.



GTX60801 Dot Image

Dot blot analysis of 25 and 125 ng of the synthetic oligonucleotides containing different modified C-bases (indicated in red) using GTX60801 5-Carboxylcytosine / 5-caC antibody.
Dilution : 1:1,000



GTX60801 ICC/IF Image

ICC/IF analysis of 293T cells overexpressing either the mouse FLAG-tagged wild-type Tet1 (Tet1 CD) or the catalytically inactive FLAG-tagged C-terminal domain of Tet1 (Tet1 mCD) using GTX60801 5-Carboxylcytosine / 5-caC antibody.
Dilution : 1:500



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