HDAC3 antibody [GT9007]

Cat. No. GTX60366

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Application	ICC/IF, ChIP assay
Reactivity	Human

Package
50 µg

APPLICATION

Application Note

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

Suggested dilution	Recommended dilution
ICC/IF	1:500
ChIP assay	1-5 µg

Not tested in other applications.

Calculated MW	49 kDa. (Note)

PROPERTIES

Form	Liquid
Buffer	PBS
Preservative	0.05% Sodium azide, 0.05% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	2 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Human HDAC3 (Histone deacetylase 3), using a KLH-conjugated synthetic peptide containing a sequence from the C-terminal region of the protein.
Purification	Protein A purified
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

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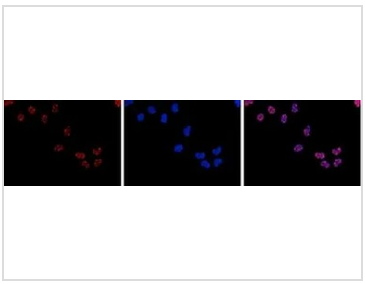
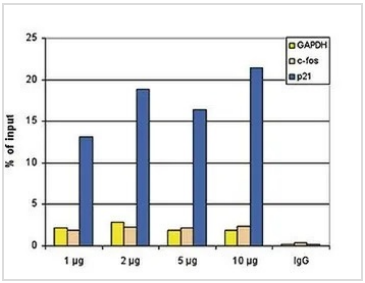
DATA IMAGES



GTX60366 ICC/IF Image

ICC/IF analysis of 4% paraformaldehyde fixed HeLa cells using GTX60366 HDAC3 antibody [GT9007].
Red : Primary antibody
Blue : DAPI
Dilution : 1:500



GTX60366 ChIP assay Image

ChIP analysis of sheared chromatin from 10^4 HeLa cells using GTX60366 HDAC3 antibody [GT9007]. A titration of the antibody consisting of 1, 2, 5, and 10 µg per ChIP experiment was analysed. IgG (5 µg/IP) was used as negative IP control. QPCR was performed with primers for the promoters of the active genes c-fos and GAPDH, and for the coding region of p21, a known target gene of HDAC3. Figure 4 shows the recovery, expressed as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis).

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