

## Product datasheet for **TA386645**

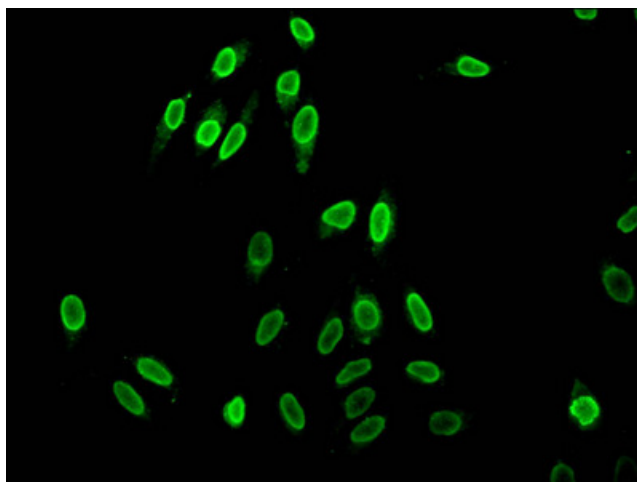
### H1-2 Rabbit Polyclonal Antibody

#### Product data:

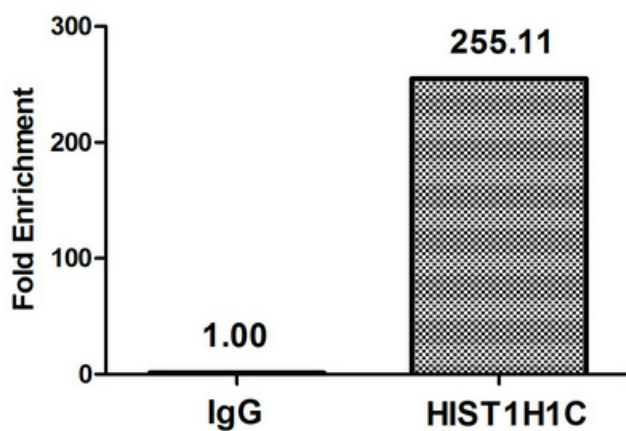
Product Type:	Primary Antibodies
Applications:	ChIP, ICC, IF, IP, WB
Recommended Dilution:	Recommended dilution: WB:1:1000-1:5000, ICC:1:20-1:200, IF:1:50-1:200, IP:1:200-1:2000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide sequence around site of Acetyl-Lys (96) derived from Human Histone H1.2
Formulation:	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Concentration:	lot specific
Purification:	Antigen Affinity Purified
Conjugation:	Unconjugated
Storage:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Stability:	1 year from dispatch.
Database Link:	<a href="#">P16403</a>
Background:	Histone H1 protein binds to linker DNA between nucleosomes forming the macromolecular structure known as the chromatin fiber. Histones H1 are necessary for the condensation of nucleosome chains into higher-order structured fibers. Acts also as a regulator of individual gene transcription through chromatin remodeling, nucleosome spacing and DNA methylation (By similarity).



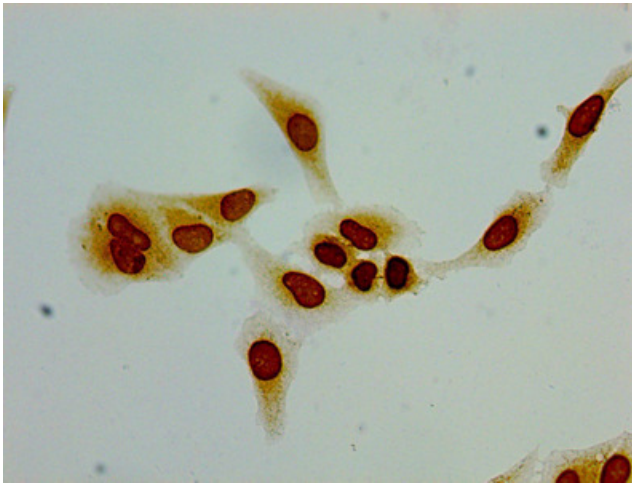
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**Product images:**

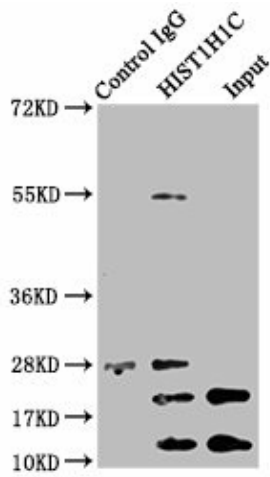
Immunofluorescent analysis of HeLa cells (sodium butyrate, 30 mM, 4h) using TA386645 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Chromatin Immunoprecipitation HeLa ( $4 \times 10^6$ , treated with 30mM sodium butyrate for 4h) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 8 $\mu$ g anti-HIST1H1C (TA386645) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the  $\beta$ -Globin promoter.



Immunocytochemistry analysis of HeLa cells using TA386645 at dilution of 1:100

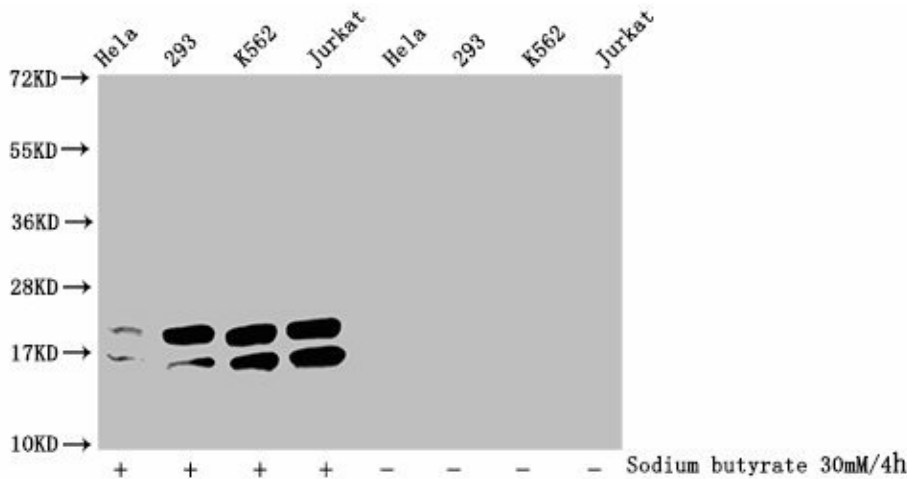


Immunoprecipitating HIST1H1C in HeLa whole cell lysate (treated with 30mM sodium butyrate for 4h)

Lane 1: Rabbit control IgG instead of TA386645 in HeLa whole cell lysate (treated with 30mM sodium butyrate for 4h). For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)

Lane 2: TA386645 (5µg) + HeLa whole cell lysate (treated with 30mM sodium butyrate for 4h) (500µg)

Lane 3: HeLa whole cell lysate (treated with 30mM sodium butyrate for 4h) (20µg)



Western Blot

Detected samples: HeLa whole cell lysate, 293 whole cell lysate, K562 whole cell lysate, Jurkat whole cell lysate; Untreated (-) or treated (+) with 30mM sodium butyrate for 4h

All lanes: HIST1H1C antibody at 1:2000

Secondary

Goat polyclonal to rabbit IgG at 1/40000 dilution

Predicted band size: 22 kDa

Observed band size: 22 kDa