

## Product datasheet for **TA387635M**

### **H2BC4 Rabbit Polyclonal Antibody**

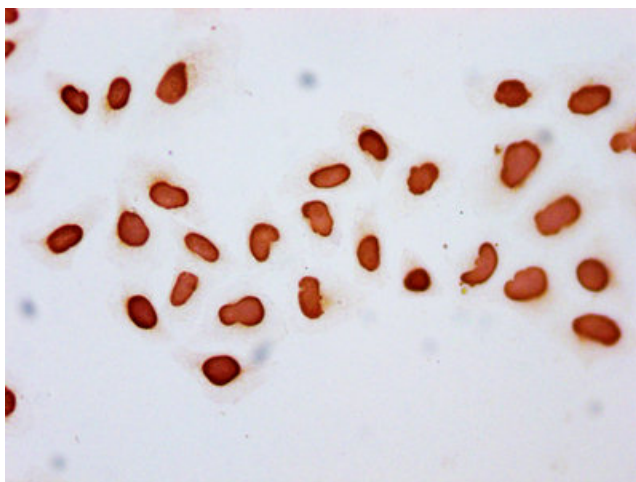
#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	ICC, IF, WB
<b>Recommended Dilution:</b>	Recommended dilution: WB:1:100-1:1000, ICC:1:20-1:200, IF:1:10-1:100
<b>Reactivity:</b>	Human
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Peptide sequence around site of Butyryl-Lys (20) derived from Human Histone H2B type 1-C/E/F/G/I
<b>Formulation:</b>	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Antigen Affinity Purified
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Stability:</b>	1 year from dispatch.
<b>Database Link:</b>	<u><a href="#">P62807</a></u>
<b>Background:</b>	Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

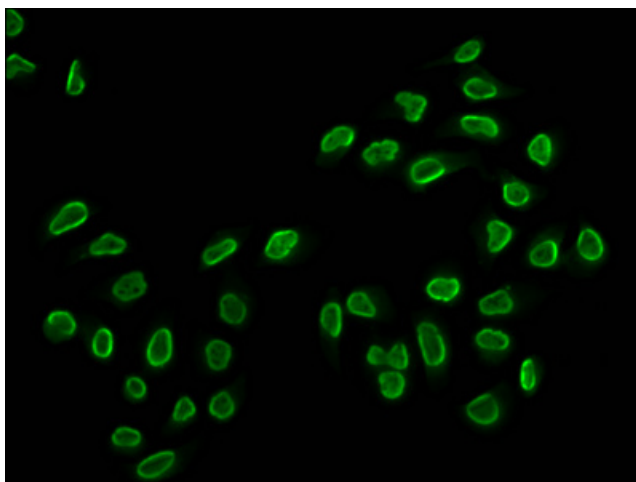


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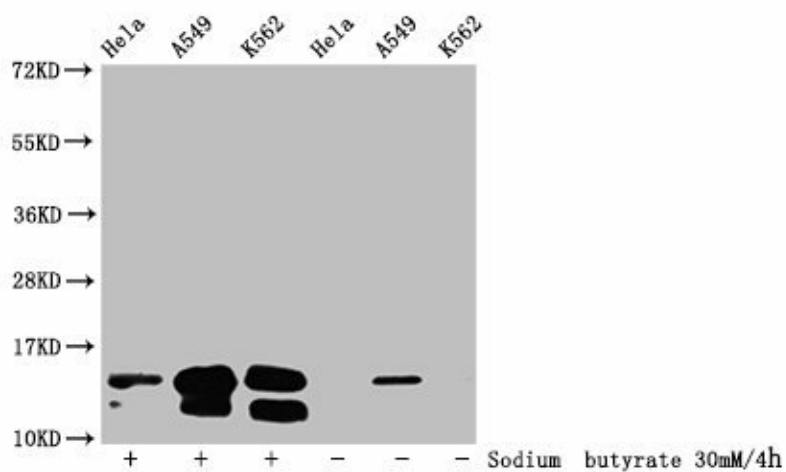
## Product images:



Immunocytochemistry analysis of [TA387635] diluted at 1:30 and staining in Hela cells (treated with 30mM sodium butyrate for 4h) performed on a Leica Bond™ system. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunofluorescence staining of Hela cells (treated with 30mM sodium butyrate for 4h) with [TA387635] at 1:15, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



#### Western Blot

Detected samples: HeLa whole cell lysate, A549 whole cell lysate, K562 whole cell lysate;

Untreated (-) or treated (+) with 30mM sodium butyrate for 4h

All lanes: HIST1H2BC antibody at 1:100

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 14 kDa

Observed band size: 14 kDa