

Product datasheet for **TA387543M**

H2AC11 Rabbit Polyclonal Antibody

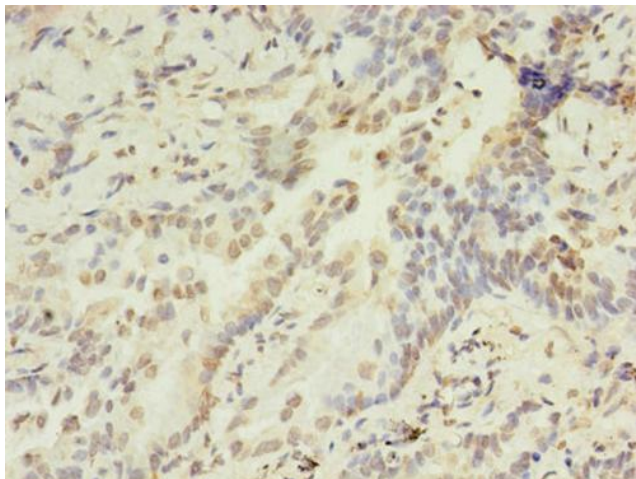
Product data:

Product Type:	Primary Antibodies
Applications:	ChIP, IF, IHC, WB
Recommended Dilution:	Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200, IF:1:50-1:200
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant Human Histone H2A type 1 protein (2-130AA)
Formulation:	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Concentration:	lot specific
Purification:	>95%, Protein G purified
Conjugation:	Unconjugated
Storage:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Stability:	1 year from dispatch.
Database Link:	P0C0S8
Background:	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.

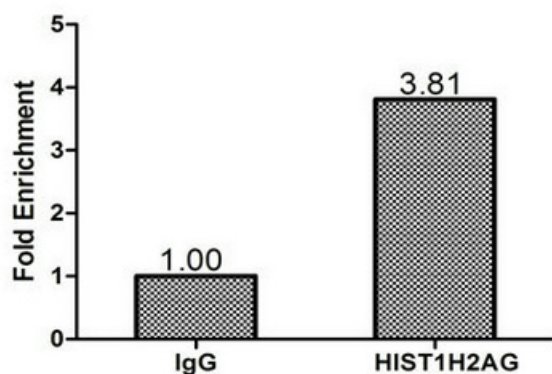


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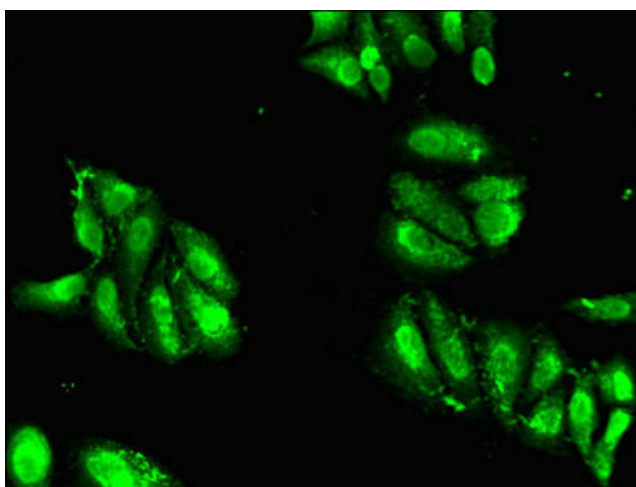
Product images:



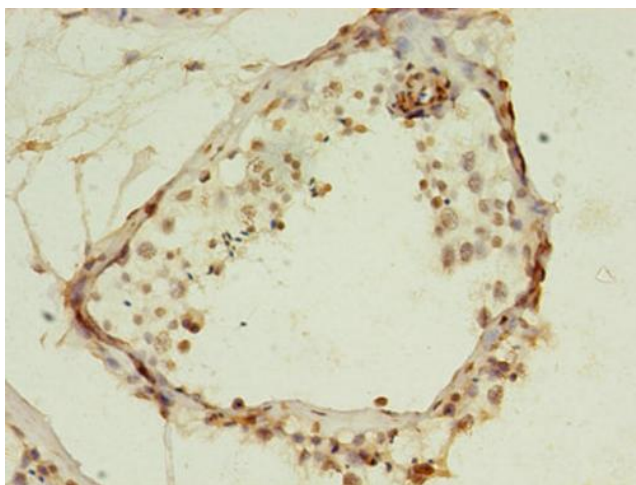
Immunohistochemistry of paraffin-embedded human lung cancer using [TA387543] at dilution of 1:100



Chromatin Immunoprecipitation Hela (1.2×10^6) were cross-linked with formaldehyde, sonicated, and immunoprecipitated with $4 \mu\text{g}$ anti-HIST1H2AG or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers (CSB-PP010389HU) against the PGK1 promoter.



Immunofluorescent analysis of HeLa cells using [TA387543] at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunohistochemistry of paraffin-embedded human testis tissue using [TA387543] at dilution of 1:100



Western blot
All lanes: HIST1H2AG antibody at 4µg/ml + HL60 whole cell lysate
Secondary
Goat polyclonal to rabbit IgG at 1/10000 dilution
Predicted band size: 15 kDa
Observed band size: 15 kDa