

Product datasheet for **TA387566**

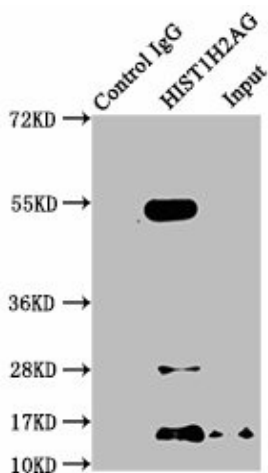
H2AC11 Rabbit Polyclonal Antibody

Product data:

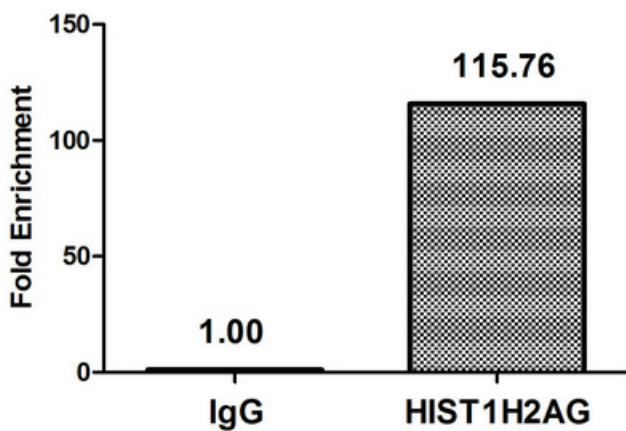
Product Type:	Primary Antibodies
Applications:	ChIP, IP, WB
Recommended Dilution:	Recommended dilution: WB:1:100-1:1000, IP:1:200-1:2000
Reactivity:	Mouse, Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide sequence around site of Lys (118) derived from Human Histone H2A type 1
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:	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.



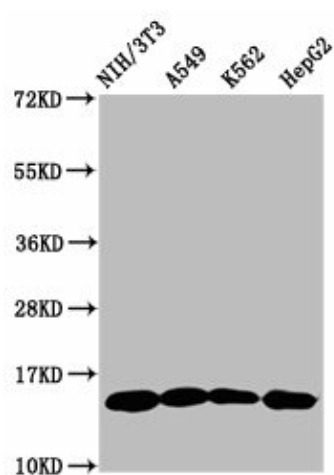
[View online »](#)

Product images:


Immunoprecipitating HIST1H2AG in NIH/3T3 whole cell lysate
 Lane 1: Rabbit control IgG instead of TA387566 in NIH/3T3 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)
 Lane 2: TA387566 (5µg) + NIH/3T3 whole cell lysate (500µg)
 Lane 3: NIH/3T3 whole cell lysate (20µg)



Chromatin Immunoprecipitation HeLa (10^6) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 5µg anti-HIST1H2AG (TA387566) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the β -Globin promoter.



Western Blot

Positive WB detected in: NIH/3T3 whole cell lysate, A549 whole cell lysate, K562 whole cell lysate, HepG2 whole cell lysate

All lanes: HIST1H2AG antibody at 1 μ g/ml

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 15 kDa

Observed band size: 15 kDa