

Product datasheet for **TA397475**

H3C14 Rabbit Polyclonal Antibody

Product data:

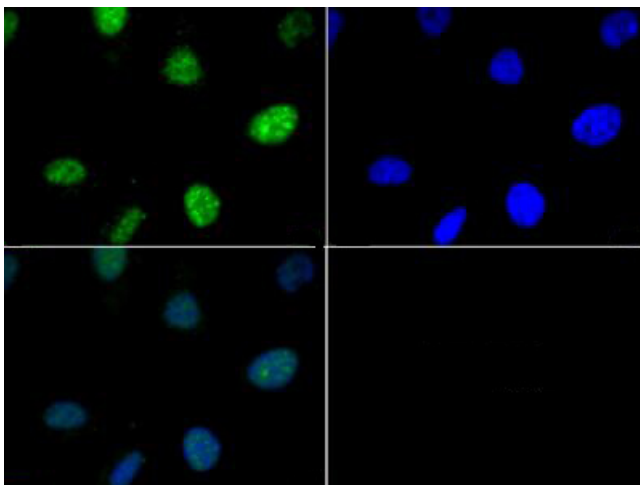
Product Type:	Primary Antibodies
Applications:	ChIP, IF, IHC, WB
Recommended Dilution:	WB: 1:500 IHC: 1:200 IF: 1:200 ChIP: 2-5µg/million cells
Reactivity:	C. elegans, Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Histone H3 [p Thr6] affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide surrounding Threonine 6 of human Histone H3.2.
Specificity:	Anti-Histone H3 [p Thr6] was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody reacts with human Histone H3.2. A BLAST analysis was used to suggest cross-reactivity with Human, mouse, and C. elegans. Predicted to react with many species including rat, chicken, Xenopus, Drosophila, and plant based on 100% sequence homology. Cross-reactivity with Histone H3 from other sources has not been determined.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	0.67 mg/ml - lot specific
Conjugation:	Unconjugated
Storage:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Stability:	Expiration date is one (1) year from date of receipt.
Gene Name:	histone cluster 2, H3c
Database Link:	Entrez Gene 333932 Human Entrez Gene 126961 Human Q71DI3



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- Background:** Phosphorylation as a post-translational modification on histone H3 modulates the ability of proteins to recognize and bind to the H3 tail. When additional modifications to H3 are present, in addition to the native T6 phosphorylation, there is an amplified effect. Several authors suggest that the complexity of these combined PTMs on histone tails should be described as a convoluted language, rather than as a strict code. Since the H3T6 phosphorylation seems to be constitutively present, its de-phosphorylation could be highly significant and affect transcription, repair and replication. Anti-Histone H3 are ideal for researchers interested in Chromatin Modifiers, Chromatin Research, Histones and Modified Histones, and Epigenetics research.
- Synonyms:** rabbit anti-Histone H3 pT6 antibody, H3.3AH3F3H3F3B, H3.3B, H3 histone, family 3A, histone H3.3, MGC87783, MGC87782, H3pT6
- Note:** Anti-Histone H3 [p Thr6] antibody is tested for Western Blot, Immunofluorescence, and Dot Blot. This antibody is useful in Chromatin Immunoprecipitation and Immunocytochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~15.4 kDa corresponding to Histone H3 protein by Western Blotting in HeLa histone prep lysate or the appropriate cell lysate or extract. Epi-Plus™ antibody production in collaboration with Novus Biologicals.
- Protein Pathways:** Systemic lupus erythematosus

Product images:



Immunofluorescence of Rabbit Anti-Histone H3 [p Thr6] Antibody. Tissue: HeLa cells. Fixation: 0.5% PFA. Antigen retrieval: Not required. Primary antibody: Histone H3 [p Thr6] antibody at a 1:50 dilution for 1 h at RT. Secondary antibody: FITC secondary antibody at 1:10,000 for 45 min at RT. Localization: Histone H3 [p Thr6] is nuclear and chromosomal. Staining: Histone H3 [p Thr6] is expressed in green and the nuclei are counterstained with DAPI (blue).