

Anti-HIST1H3A Antibody (7S938)

Product Details

| | |
|---------------|-------------------------|
| Ig Type: | Mouse IgG2a |
| Reactivity: | Human, Mouse |
| Conjugation: | Unconjugated |
| Clone: | 7S938 |
| Purification: | Affinity-chromatography |

Applications

1. Western Blot

- Positive WB detected in: MCF7 whole cell lysate, JK whole cell lysate, K562 whole cell lysate, HepG2 whole cell lysate
- All lanes: HIST1H3A antibody at 1:1000
- Secondary: Goat polyclonal to mouse IgG at 1/50000 dilution
- Predicted band size: 16 kDa
- Observed band size: 16 kDa

2. IHC image of TMAH-00547 diluted at 1:300 and staining in paraffin-embedded human gastric cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was 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 Goat anti-Mouse IgG labeled by HRP and visualized using 0.05% DAB.

Verified Activity:

3. IHC image of TMAH-00547 diluted at 1:300 and staining in paraffin-embedded human salivary gland tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was 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 Goat anti-Mouse IgG labeled by HRP and visualized using 0.05% DAB.
4. Immunofluorescence staining of HepG2 cell with TMAH-00547 at 1:200, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).
5. Immunofluorescence staining of Hela cell with TMAH-00547 at 1:200, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).

Application: ELISA, IF, IHC, WB

A DRUG SCREENING EXPERT

Recommended WB:1:1000-1:5000; IHC:1:20-1:200; IF:1:20-1:200.

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Human HIST1H3A Protein

Antigen Species: Human

Gene ID: 8350

Uniprot ID: P68431

Synonyms: Histone H3.1;histone cluster 1, H3a;HIST1H3A, HIST1H3B, HIST1H3C, HIST1H3D, HIST1H3E, HIST1H3F, HIST1H3G, HIST1H3H, HIST1H3I, HIST1H3J;Histone H3

Biology Area: Epigenetics and Nuclear Signaling

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481
