

# GlycoScientific

## CERTIFICATE OF ANALYSIS

### Histone H2A (GlcNAc T101) PAb

Cat. #: GS0032

Lot: A053, A055, A057, A059

Package size: 0.1 ml

**Description** Rabbit polyclonal antibody (PAb) to human histone H2A (H2A, NP\_066390) modified at threonine 101 (T101) with an O-linked N-acetylglucosamine (O-GlcNAc). GS0032 preferentially binds to Histone H2A when O-GlcNAc is present on threonine 101 (T101). Amino acid sequence of the region flanking T101 suggests cross-reactivity with histone H2A of multiple species including mouse, rat, chicken, fish, reptiles, hamster and primates.

**Tested applications** ELISA

**Target sequence** KLLGRVT(O-GlcNAc)IAQGG

**Isotype** Mixed, predominantly IgG.

**Storage buffer** PBS, pH 7.2-7.5.

**Storage** Frozen (-20°C or lower). Store at 4°C when thawed or aliquot and refreeze. Avoid repeated freeze/thaw cycles.

### Example applications

**ELISA** ELISA plates were coated with the peptides indicated in the graph below, conjugated to BSA, and detected with dilutions of GS0032. The secondary antibody is a goat anti-rabbit whole IgG.

