

# GlycoScientific

## CERTIFICATE OF ANALYSIS

### Histone H4 (GlcNAc S47) PAb

Cat. #: GS0025

Lot: A067\_A068

Package size: 0.1 ml

**Description** Rabbit polyclonal antibody to human Histone H4 (H4, NP\_778224.1) modified at serine 47 (S47) with an O-linked N-acetylglucosamine (O-GlcNAc). GS0025 preferentially binds to the O-GlcNAcylated version of histone H4. Amino acid sequence of the region flanking S47 suggests cross-reactivity with histone H4 of multiple species including mouse, rat, chicken, hamster and primates.

**Tested applications** ELISA

**Target sequence** RGGVKRIS(O-GlcNAc)GLIYEE

**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 GS0025. The secondary antibody is a goat anti-rabbit whole IgG.

