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CERTIFICATE OF ANALYSIS

Histone H3 (GlcNAc T32) PAb

Cat. #: GS0015

Lot: A030, A031, A032, A033

Package size: 0.1 ml or 2 ml

Description Rabbit polyclonal antibody (PAb) to human histone H3 (H3, NP_066403) modified at threonine 32 (T32) with an O-linked N-acetylglucosamine (O-GlcNAc). GS0015 preferentially binds to the Histone H3 when threonine 32 is O-GlcNAcylated. Amino acid sequence of the region flanking T32 suggests cross-reactivity with H3 of multiple species including both the animal and plant kingdoms.

Tested applications ELISA, Western blot, ChIP-seq

Target sequence KSAPAT(O-GlcNAc)GGVKK

Species reactivity tested; human, Arabidopsis, predicted; mouse, dog, zebrafish, drosophila.

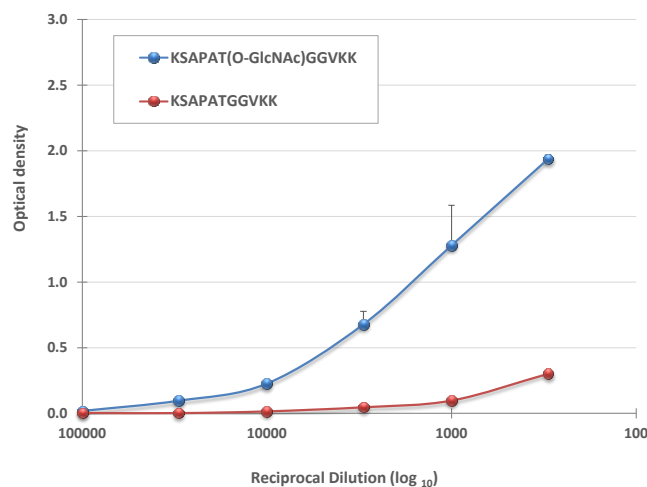
Isotype Mixed, predominantly IgG.

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 GS0015. The secondary antibody is a goat anti-rabbit whole IgG.



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Western Total cell lysates from HEK (human embryonic kidney cells) were separated by reducing SDS-PAGE. The first panel was probed with Histone H3 (GlcNAc T32) PAb at a 1/5000 dilution and detected with a secondary antibody to rabbit IgG. The right panel was detected with a 3rd party monoclonal antibody (MAb) to Histone H3. Duplicate samples are shown.

