

CERTIFICATE OF ANALYSIS

IRS2 (GlcNAC T1155) peptide

Cat. #: GS0016

Lot: A035

Package size: 0.1 milligram

Description Glycosylated peptide that corresponds to insulin receptor substrate 2 (IRS2, NP_003740) modified at threonine 1155 (T1155) with a O-linked N-acetylglucosamine (O-GlcNAc). GS0016 can be used as a blocking peptide in immunoaffinity experiments with antibodies that bind to this epitope. The peptide has a free cysteine at the amino terminus, allowing for conjugation to various substrates.

Tested applications Western blot.

Peptide sequence CETFSST(OGlcNAc)TTVTPVS

Purity > 90% (HPLC)

Storage buffer water

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

Example applications

Western Total cell lysates from HEK (human embryonic kidney cells) were separated by reducing SDS-PAGE. The first 3 panels were probed with IRS2 (GlcNAc T1155) PAb (GS0013) at a 1/1000 dilution and detected with a secondary antibody to rabbit IgG. The right panel was detected with a 3rd party monoclonal antibody (MAb). Panel 2 included a blocking peptide at 1 microgram/ml that includes the sequence ETFSSTTTVTPVS (available as IRS2 (GlcNAc T1155) peptide, catalog number GS00017). Panel 3 included a blocking peptide at 1 microgram/ml that includes the sequence ETFSST(OGlcNAc)TTVTPVS (available as IRS2 (T1155) peptide, catalog number GS00016). The apparent molecular weight of IRS2 is approximately 110 kD. The identity of the other bands are unknown.

3rd party

