FITC Conjugated Anti-Strep-Tag II Antibody [PSH05-13]

HA720229F

Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Species independent
Applications:	IF-Cell
Clone number:	PSH05-13

Description: The Strep-tag® system is a method which allows the purification and detection of proteins by affinity chromatography. The Strep-tag II is a synthetic peptide consisting of eight amino acids (Trp-Ser-His-Pro-Gln-Phe-Glu-Lys). This peptide sequence exhibits intrinsic affinity towards Strep-Tactin®, a specifically engineered streptavidin, and can be N- or C-terminally fused to recombinant proteins. By exploiting the highly specific interaction, Strep-tagged proteins can be isolated in one step from crude cell lysates. Because the Strep-tag elutes under gentle, physiological conditions it is especially suited for generation of functional proteins.

Conjugate: FITC-conjugated

Immunogen: Synthetic peptide corresponding to Strep-tag II.

Recommended Dilutions:

IF-Cell	1:100

Storage Buffer: 1*PBS (pH7.4), 1% BSA, 40% Glycerol, 0.2% Proclean 950.

Storage Instruction: Shipped at 4℃. Store at +4℃ short term (1-2 weeks). Store at -20℃ long term.

Purity: Protein A affinity purified.

Images

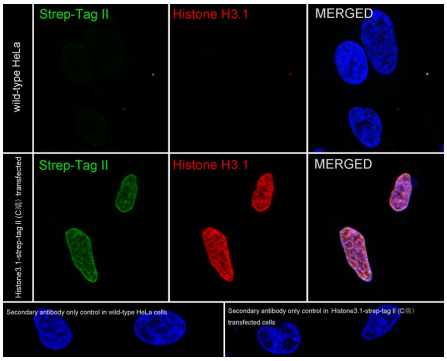


Fig1: Immunocytochemistry analysis of HeLa cells labeling Strep-Tag II with Rabbit anti-Strep-Tag II antibody (HA720229F) at 1/100 dilution.

HeLa cells, untransfected (top, negative) / transfected with Strep-Tag II-tagged Histone H3.1 (bottom, positive) expression vector, were fixed in 4% paraformaldehyde for 15 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 15 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-Strep-Tag II antibody (HA720229F, FITC, green) at 1/100 dilution in 1% BSA in PBST overnight at 4 ℃. Nuclear DNA was labelled in blue with DAPI.

Histone H3 (HA601278, red) was stained at 1/100 dilution overnight at +4℃. Goat Anti-Mouse IgG H&L (iFluor™ 594, HA1126) was used as the secondary antibody at 1/1,000 dilution.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Arne Skerra. et. al. The Strep-tag system for one-step purification and high-affinity detection or capturing of proteins. Nat Protoc. 2007;2(6):1528-35.