Store at -20C

#3513

GST (26H1) Mouse mAb (Sepharose® Bead Conjugate)

Cell Signaling TECHNOLOGY®

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Applications	Isotype
IP	Mouse IgG2a

Description: This Cell Signaling Technology antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated Sepharose® beads. GST (26H1) Mouse mAb (Sepharose® Bead Conjugate) is useful for immunoprecipitation assays.

Background: Epitope tags are useful for the labeling and detection of proteins using immunoblotting, immunoprecipitation and immunostaining techniques. Due to their small size, they are unlikely to affect the tagged protein's biochemical properties.

Glutathione S-transferase (GST) is a widely used fusion partner, since it provides both an easily detectable Tag and a simple purification process with little effect on the biological function of the protein of interest. Numerous vectors containing GST-Tag have been developed for both prokaryotic and eukaryotic systems over the past decade (1-3).

Specificity/Sensitivity: GST (26H1) Mouse mAb (Sepharose® Bead Conjugate) detects transfected GST fusion proteins.

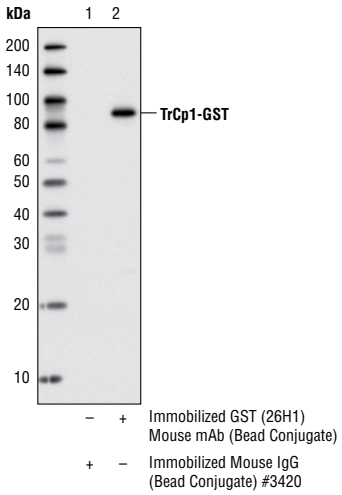
Source/Purification: Monoclonal antibody is produced by immunizing mice with a GST fusion protein.

Background References:

(1) Guan, K.L. and Dixon, J.E. (1991) *Anal Biochem* 192, 262–7.

(2) Davies, A.H. et al. (1993) *Biotechnology (NY)* 11, 933–6.

(3) Yu, J. et al. (1998) *Mol Cell Biol* 18, 1379–87.



Immunoprecipitation of extracts from COS cells transfected with a construct overexpressing TrCp1-GST using GST (26H1) Mouse mAb (Sepharose® Bead Conjugate) (lane 2). Mouse IgG Isotype Control (Sepharose® Bead Conjugate) #3420 (lane 1) was used as a negative control. The western blot was probed using GST (91G1) Rabbit mAb #2625.

Storage: Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol. Store at -20ºC. *Do not aliquot the antibody.*

Directions for Use: Add 10 µl of well-vortexed beads to 200 µl of cell lysate at 1 mg/ml in 1X Cell Lysis Buffer (10X) #9803. See protocol for more details.

For application specific protocols please see the web page for this product at www.cellsignal.com.

Please visit www.cellsignal.com for a complete listing of recommended companion products.

Sepharose® is a registered trademark of GE Healthcare.

Applications Key: **W**—Western **IP**—Immunoprecipitation **IHC**—Immunohistochemistry **ChIP**—Chromatin Immunoprecipitation **IF**—Immunofluorescence **F**—Flow cytometry **E-P**—ELISA-Peptide

Species Cross-Reactivity Key: **H**—human **M**—mouse **R**—rat **Hm**—hamster **Mk**—monkey **Mi**—mink **C**—chicken **Dm**—D. melanogaster **X**—Xenopus **Z**—zebrafish **B**—bovine **Dg**—dog **Pg**—pig **Sc**—S. cerevisiae **Ce**—C. elegans **Hr**—horse **All**—all species expected Species enclosed in parentheses are predicted to react based on 100% homology.