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Magnetic Beads-conjugated Rabbit anti GST-Tag mAb

Catalog No.: AE122

Basic Information

Observed MW
70kDa

Calculated MW

Category
Tag antibody

Applications
IP

Cross-Reactivity
Species independent

Conjugate
Magnetic Beads

Background

Glutathione S-transferases (GSTs), previously known as ligandins, comprise a family of eukaryotic and prokaryotic phase II metabolic isozymes best known for their ability to catalyze the conjugation of the reduced form of glutathione (GSH) to xenobiotic substrates for the purpose of detoxification. The GST family consists of three superfamilies: the cytosolic, mitochondrial, and microsomal—also known as MAPEG—proteins. Members of the GST superfamily are extremely diverse in amino acid sequence, and a large fraction of the sequences deposited in public databases are of unknown function. The Enzyme Function Initiative (EFI) is using GSTs as a model superfamily to identify new GST functions.A GST-tag is often used to separate and purify proteins that contain the GST-fusion protein. The tag is 220 amino acids (roughly 26 KDa) in size, which, compared to tags such as the Myc-tag or the FLAG-tag, is quite large. It can be fused to either the N-terminus or C-terminus of a protein. However, many commercially available sources of GST-tagged plasmids include a thrombin domain for cleavage of the GST tag during protein purification.

Recommended Dilutions

IP	20μl-40μl Magnetic Beads for 100μg-300μg extracts of whole cells

Immunogen Information

Gene ID

Swiss Prot

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
GST;GST tag;GST-Tag

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Product Information

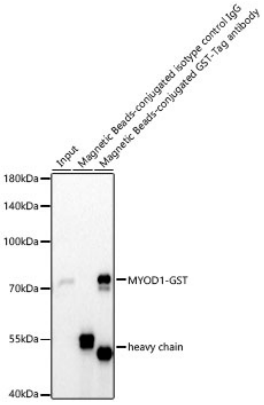
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at 4℃. Avoid freeze / thaw cycles.
Buffer: PBS, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Immunoprecipitation of GST-Tag from 300 µg extracts of 293F cells transfected with a MYOD1 expression vector containing a single N-terminal GST-Tag was performed using 20 µl of Magnetic Beads-conjugated Rabbit anti GST-Tag mAb (AE122). Magnetic Beads-conjugated Rabbit IgG isotype control(AC047) was used to precipitate the Control IgG sample. IP samples were eluted with 1X Laemmli Buffer. The Input lane represents 10 % of the total input. Western blot analysis of immunoprecipitates was conducted using Rabbit anti GST-Tag mAb (AE077) at a dilution of 1:2000.