

Rabbit anti GST-Tag mAb

Catalog No.: AE098

Basic Information

Observed MW

Refer to figures

Calculated MW

25kDa

Category

Tag antibody

Applications

ELISA,IP

Cross-Reactivity

Species independent

CloneNo number

ARC50741

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 3µg antibody for 1µg
extracts of recombinant
protein

Immunogen Information

Gene ID

Swiss Prot

P08515

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-239 of schja GST-Tag (P08515).

Synonyms

GST;GST tag;GST-tag

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

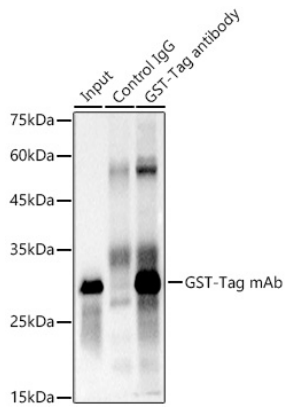
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Immunoprecipitation analysis of 300 µg extracts of cells using 3 µg GST-Tag antibody (AE098). Western blot was performed from the immunoprecipitate using GST-Tag antibody (AE098) at a dilution of 1:5000.