

# Affinity Gel-conjugated Rabbit anti GST-Tag mAb {Anti-GST □□□□}

Catalog No.: AE103B

## Basic Information

### Observed MW

27kDa

### Calculated MW

25kDa

### Category

Tag antibody

### Applications

IP

### Cross-Reactivity

Species independent

### CloneNo number

ARC50738-Affinity Gel

### Conjugate

Affinity Gel

## Recommended Dilutions

IP 30ul antibody (bead slurry) for 200µg-400µg extracts of recombinant protein

## 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.

## Immunogen Information

### Gene ID

### Swiss Prot

P08515

### Immunogen

Recombinant protein of GST-Tag.

### Synonyms

GST;GST tag;GST-tag

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

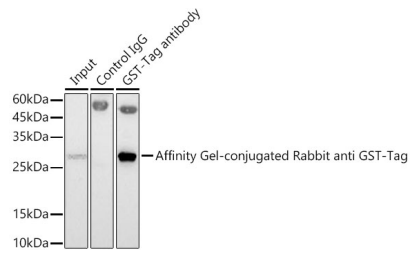
### Storage

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

Buffer: PBS with 0.03% proclin300,50% glycerol,pH7.3.

## Validation Data

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Immunoprecipitation analysis of 1  $\mu$ g extracts of GST-Tag Protein using 30  $\mu$ l of Affinity Gel-conjugated Rabbit anti GST-Tag antibody (AE103B). Western blot was performed from the immunoprecipitate using Rabbit anti GST-Tag mAb antibody(AE077) at a dilution of 1:5000.