

**GST-Tag Monoclonal Antibody**  
**Mouse Monoclonal Antibody**  
**Catalog # ABV11731****Specification**

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**GST-Tag Monoclonal Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">P09211</a> |
| Reactivity        | Human                  |
| Host              | Mouse                  |
| Clonality         | Monoclonal             |
| Isotype           | Mouse IgG              |
| Calculated MW     | 23356                  |

**GST-Tag Monoclonal Antibody - Additional Information****Gene ID** 2950

|                                             |                         |
|---------------------------------------------|-------------------------|
| Application & Usage                         | Western blot: 1-5 µg/ml |
| Alias Symbol                                | GST-Tag                 |
| <b>Other Names</b>                          |                         |
| GSTP1 , GSTP1-1 , GST3 , FAEES3 , DFN7 , PI |                         |

**Appearance**

Colorless liquid

**Formulation**

100 ug (1mg/ml) of antibody in 0.01M Tris-HCl, pH 8.0, 0.15M NaCl, and 0.02% sodium azide.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

GST-Tag Monoclonal Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**GST-Tag Monoclonal Antibody - Protein Information****Name** GSTP1 ([HGNC:4638](#))**Synonyms** FAEES3, GST3**Function**

Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Involved in the formation of glutathione conjugates of both prostaglandin A2 (PGA2)

and prostaglandin J2 (PGJ2) (PubMed:<a href="http://www.uniprot.org/citations/9084911" target="\_blank">9084911</a>). Participates in the formation of novel hepoxilin regioisomers (PubMed:<a href="http://www.uniprot.org/citations/21046276" target="\_blank">21046276</a>). Negatively regulates CDK5 activity via p25/p35 translocation to prevent neurodegeneration.

**Cellular Location**

Cytoplasm. Mitochondrion. Nucleus. Note=The 83 N-terminal amino acids function as an uncleaved transit peptide, and arginine residues within it are crucial for mitochondrial localization

**GST-Tag Monoclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**GST-Tag Monoclonal Antibody - Images****GST-Tag Monoclonal Antibody - Background**

Glutathione S-transferase (GST) is a widely used protein fusion partner, since it provides an easily detectable Tag and also a simple purification process with little effect on the biological function of the protein of interest.