

# GST-Tag Monoclonal Antibody

Mouse Monoclonal Antibody

Catalog # ABV11731

## Product Information

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

## Additional Information

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|  |   |
|--|---|
| Gene ID                                | 2950  |
| Application & Usage                    | Western blot: 1-5 $\mu$ g/ml  |
| Alias Symbol                           | GST-Tag   |
| Other Names                            | GSTP1 , GSTP1-1 , GST3 , FAES3 , DFN7 , PI  |
| Appearance                             | Colorless liquid  |
| Formulation                            | 100 $\mu$ g (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<br>Precautions | GST-Tag Monoclonal Antibody is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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|                   |  |
|-------------------|--|
| Name              | GSTP1 ( <a href="#">HGNC:4638</a> )  |
| Synonyms          | FAES3, 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="#">9084911</a> ). Participates in the formation of novel hepoxilin regioisomers (PubMed: <a href="#">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

## Background

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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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.