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GST-Tag Monoclonal Antibody
Mouse Monoclonal Antibody
Catalog # ABV11731

Specification

GST-Tag Monoclonal Antibody - Product Information

Application	**WB**
Primary Accession	P09211
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**

Other Names
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:9084911). Participates in the formation of novel hepoxilin regioisomers (PubMed:21046276). 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 un 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 Cytomety
- 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.