

Anti-GST GSTP1 Rabbit Monoclonal Antibody

Catalog # ABO13223

Product Information

Application	WB, IF, ICC, IP
Primary Accession	P09211
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-GST GSTP1 Rabbit Monoclonal Antibody . Tested in WB, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	2950
Other Names	Glutathione S-transferase P, 2.5.1.18, GST class-pi, GSTP1-1, GSTP1 (HGNC:4638), FAEES3, GST3
Calculated MW	23356
Application Details	WB 1:1000-1:5000 ICC/IF 1:50-1:200 IP 1:50
Subcellular Localization	Cytoplasm. Mitochondrion. Nucleus. The 83 N-terminal amino acids function as an uncleaved transit peptide, and arginine residues within it are crucial for mitochondrial localization.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: DD-7
Immunogen	A synthesized peptide derived from GST
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	GSTP1 (HGNC:4638)
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Synonyms

FAEES3, GST3

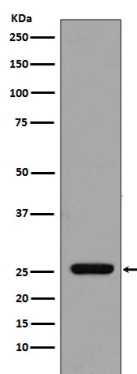
Function

Catalyzes conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles (PubMed:[1540159](#), PubMed:[1567427](#), PubMed:[8433974](#)). 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](#)). Acts as a negative regulator of ferroptosis by mediating glutathione conjugation and detoxification of 4-hydroxynonenal (4-HNE) reactive aldehyde (PubMed:[38016474](#)). Negatively regulates CDK5 activity via p25/p35 translocation to prevent neurodegeneration (PubMed:[21668448](#)).

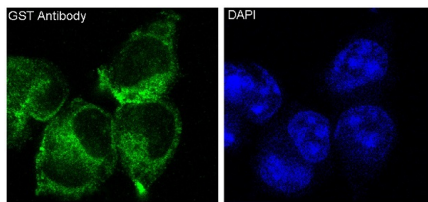
Cellular Location

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

Images



Western blot analysis of GST expression in GST recombinant protein.



Immunofluorescent analysis of 293 cells, using GST Antibody.

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