

Anti-GST3 / GSTP1 Monoclonal Antibody

Catalog # ABO14733

Product Information

Application	WB, IHC, IF, ICC
Primary Accession	P09211
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-GST3 / GSTP1 Monoclonal Antibody . Tested in WB, IHC, ICC/IF 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 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200
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 Immunogen	Clone: AFDG-7 A synthesized peptide derived from human GST3 / GST pi Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles.
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)
Synonyms	FAEES3, GST3

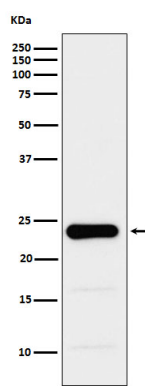
Function

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 GST3 / GST pi expression in PC3 cell lysate.

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