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KD-Validated Anti-GST3 / GSTP1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1565

Product Information

Application	WB
Primary Accession	P09211
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB6420
Calculated MW	23356
Gene Name	GSTP1
Aliases	GSTP1; Glutathione S-Transferase Pi 1; FAEES3; GSTP; GST3; Glutathione S-Transferase P; GST Class-Pi; EC 2.5.1.18; GSTP1-1; Fatty Acid Ethyl Ester Synthase III; Epididymis Secretory Protein Li 22; Deafness, X-Linked 7; HEL-S-22; DFN7; PI
Immunogen	A synthesized peptide derived from human GST3 / GST pi

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

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 un uncleaved transit peptide, and arginine residues within it are

crucial for mitochondrial localization

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