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Anti-GSTP1 / GST Pi Antibody (N-Terminus)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18193

Product Information

Application	WB, IHC-P, ICC
Primary Accession	P09211
Predicted	Human, Mouse, Rat, Monkey, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23356
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	2950
Alias Symbol	GSTP1
Other Names	GSTP1, Deafness, X-linked 7, DFN7, GSTP1-1, Glutathione S-transferase P, GST Pi, GSTP, FAEES3, Glutathione S-transferase pi 1, GST class-pi, GST3, PI
Target/Specificity	Human GSTP1 / GST Pi
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-GSTP1 / GST Pi Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

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'.