

GST- π Antibody

Mouse Monoclonal Antibody (Mab)
Catalog # AD80321

Product Information

Application	IHC
Primary Accession	P09211
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	132C2D7
Calculated MW	23356

Additional Information

Gene ID	2950
Gene Name	GSTP1
Other Names	Glutathione S-transferase P, 2.5.1.18, GST class-pi, GSTP1-1, GSTP1, FAEES3, GST3
Dilution	IHC~1:100~500
Storage	Maintain refrigerated at 2-8°C.
Precautions	GST- π Antibody 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 cleaved 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'.