

Rabbit GSTP1 Polyclonal Antibody | anti-GSTP1 antibody

GSTP1 Antibody

CATALOG # AAA39677	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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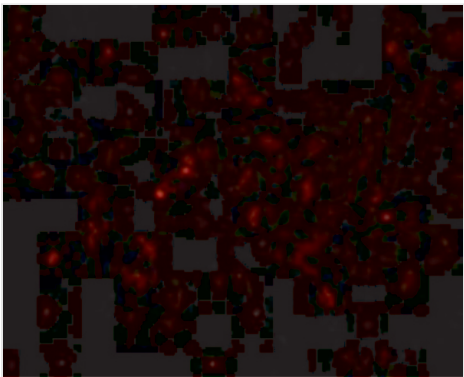
PRODUCT SYNONYMS

GSTP1; Polyclonal Antibody; GSTP1 Antibody; PI; DFN7; GST3; GSTP; FAEES3; HEL-S-22; Glutathione S-transferase P; GST class-pi; glutathione S-transferase pi 1; anti-GSTP1 antibody

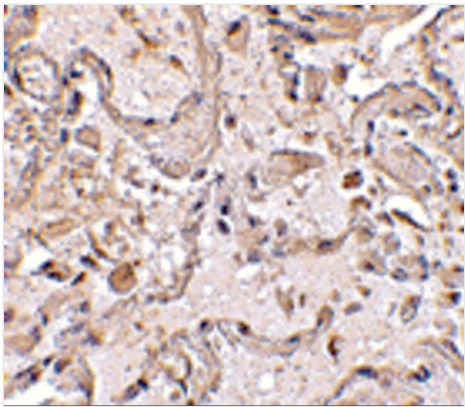
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	GSTP1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	210
Applicable Applications for anti-GSTP1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	GSTP1 antibody was raised against a 14 amino acid synthetic peptide from near the center of human GSTP1.
Buffer	GSTP1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	GSTP1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

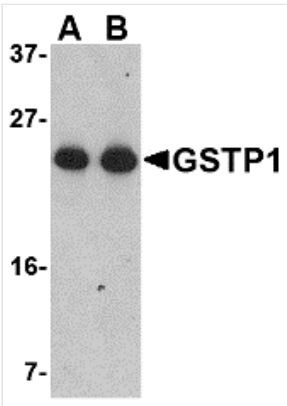
IMAGES



IF (Immunofluorescence)
Immunofluorescence of GSTP1 in Human Lung cells with GSTP1 antibody at 20 µg/mL.



IHC (Immunohistochemistry)
Immunohistochemical staining of human lung tissue using GSTP1 antibody at 2.5 µg/mL.



WB (Western Blot)
Western blot analysis of GSTP1 in Jurkat cell lysate with GSTP1 antibody at (A) 0.5 and (B) 1 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-GSTP1 antibody

GSTP1 Antibody: Glutathione S-transferases (GSTs) are a family of enzymes that play an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. Based on their biochemical, immunologic, and structural properties, the soluble GSTs are categorized into 4 main classes: alpha, mu, pi, and theta. The glutathione S-transferase pi gene (GSTP1) is a polymorphic gene encoding active, functionally different GSTP1 variant proteins that are thought to function in xenobiotic metabolism (i.e., the metabolism of environmental mutagens and carcinogens) and may play a role in susceptibility to cancer. More recent experiments have suggested that differential expression of GSTP1 also contributes to the sensitivity of xenobiotics in the substantia nigra and may influence the pathogenesis of reactive oxygen species-induced neurological disorders such as Parkinson's disease. CpG island hypermethylation of the GSTP1 promoter leading to the silencing of the GSTP1 gene has also been linked to cancer.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504183
NCBI GeneID	2950
NCBI Accession #	NP_000843
NCBI GenBank Nucleotide #	NM_000852.3
UniProt Accession #	P09211; O00460; Q15690; Q5TZY3
NCBI Official Full Name	glutathione S-transferase P

NCBI Official Synonym Full Names	glutathione S-transferase pi 1
NCBI Official Symbol	GSTP1
NCBI Official Synonym Symbols	PI; DFN7; GST3; GSTP; FAEES3; HEL-S-22
NCBI Protein Information	glutathione S-transferase P; GSTP1-1; GST class-pi; deafness, X-linked 7; epididymis secretory protein Li 22; fatty acid ethyl ester synthase III
UniProt Protein Name	Glutathione S-transferase P
UniProt Gene Name	GSTP1
UniProt Synonym Gene Names	FAEES3; GST3
UniProt Entry Name	GSTP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gstp1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39677>