

GSTP1

Reactivity: Human

Tested applications: WB IHC IF FC

Recommended Dilution: WB 1:200 - 1:500 IHC 1:50 - 1:100 IF 1:10 - 1:50 FC 1:10 - 1:50

Calculated MW: 23kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human GSTP1

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

b

Synonym:

GSTP1;DFN7;FAEES3;GST3;PI ;

Catalog #: A0348

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 2950

Isotype: IgG

Swiss Prot: P09211

Purity: Affinity purification

For research use only.

Background:

Glutathione S-transferases (GSTs) are a family of isoenzymes that detoxify electrophiles through conjugation to thiol-reduced glutathione (GSH). Thus, they are critical in protecting cells from toxins (drugs, pesticides, carcinogens) and oxidative stress (1). Eight isoforms of cytosolic-soluble GSTs (, , , , , , , and) are identified, while only GST-, -, and - are described in the central nervous system (2). GSTP1 (GST) is overexpressed in early stages of carcinogenesis and can be used as a neoplastic marker in tumor tissues (3). GSTP1 directly inhibits TRAF2 and JNK but not NF-B (4,5). Corresponding GSTP1 gene polymorphisms affect substrate selectivity and stability, and the oxidative milieu in dopaminergic neurons, which increases the susceptibility to Parkinsons disease (6).

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