

GST pi Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251861

Unit: 0.1 mg

Description:

Enzymes of the glutathione S-transferase (GST) family are composed of many cytosolic, mitochondrial and microsomal (now designated as MAPEG) proteins. GSTs are present in eukaryotes and in prokaryotes, where they catalyze a variety of reactions and accept endogenous and xenobiotic substrates. GSTs can constitute up to 10% of cytosolic protein in some mammalian organs. GSTs catalyze the conjugation of reduced glutathione, via a sulfhydryl group, to electrophilic centers on a wide variety of substrates. This activity detoxifies endogenous compounds such as peroxidised lipids as well as breakdown of xenobiotics. GSTs may also bind toxins and function as transport proteins, and, therefore, an early term for GSTs was "ligandin". The mammalian GST super-family consists of cytosolic dimeric isoenzymes of 45-55 kDa size that have been assigned to at least six classes: Alpha, Mu, Pi, Theta, Zeta and Omega.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, R

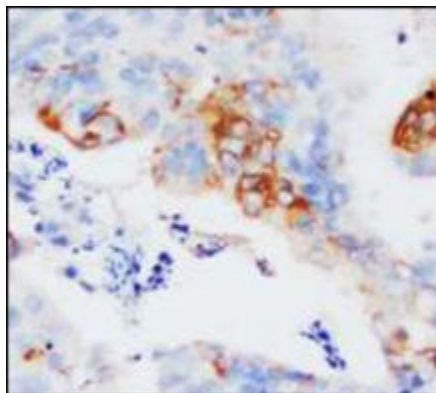
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Glutathione S-transferase P; GST class-pi; GSTP1-1; GST pi; GSTP1-1; GSTP1; FAEES3; GST3

Accession No.: P09488

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human GST pi.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500



GST pi staining in human endometrial carcinoma.
Paraffin-embedded human endometrial carcinoma tissue is stained with GST pi Antibody (Cat. No. 251861) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles.
Product is guaranteed one year from the date of shipment.

Product Citations: Qian G et al. 2013. Sage Journals. Toxicology Pathology. doi: 10.1177/0192623313477256. PMID# 23423819

For research use only, not for diagnostic or therapeutic procedures.