



Product Information Sheet

Polyclonal Anti-Glutathione S-Transferase pi, **GST π**

Catalogue No. PA1040

Lot No. 0101112054048

Ig type: rabbit IgG

Size: 100 μ g/vial

Specificity

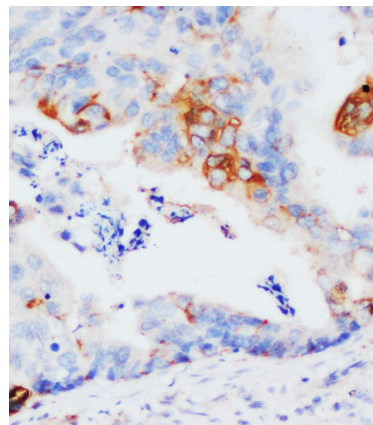
Human, rat, mouse

No cross reactivity with other proteins.

Recommended application

Western blot

Immunohistochemistry(P)



Immunogen

A peptide mapping at the C-terminus of GSTpi of human origin (197-210aa), identical to the related rat and mouse sequence.

Purity

Immunogen affinity purified.

Application

	Concentration	Tested Species	Concluded Species	Antigen Retrieval
WB	1 μ g/ml	Hu, Rat, Ms	-	-
IHC-P	1 μ g/ml	Hu, Rat	Ms	By Heat
IHC-F	-	-	-	-
ICC	-	-	-	-

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Reconstitution

0.2ml of distilled water will yield a concentration of 500 μ g/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

To reorder contact us at:

Antagene, Inc.

Toll Free: 1(866)964-2589

email: Info@antageneinc.com

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE.

BACKGROUND

Glutathione S-transferases pi, also known as GST3, present in all tissues and cells, with the exception of red cells, in which only erythrocyte GST (GSTe) is observed. The GST-pi gene has 7 exons and 6 introns contained within approximately 2.8 kilobases. The GST-pi gene is mapped to chromosome 11. Placental glutathione-S-transferase-pi mRNA is abundantly expressed in human skin. GSTP does not contribute in vivo to the formation of glutathione conjugates of acetaminophen but plays a novel and unexpected role in the toxicity of this compound.

REFERENCE

1. Morrow, C. S.; Cowan, K. H.; Goldsmith, M. E. : Structure of the human genomic glutathione S-transferase-pi gene. *Gene* 75: 3-11, 1989
2. Islam, M. Q.; Platz, A.; Szpirer, J.; Szpirer, C.; Levan, G.; Mannervik, B. : Chromosomal localization of human glutathione transferase genes of classes alpha, mu and pi. *Hum. Genet.* 82: 338-342, 1989.
3. Konohana, A.; Konohana, I.; Schroeder, W. T.; O'Brien, W. R.; Amagai, M.; Greer, J.; Shimizu, N.; Gammon, W. R.; Siciliano, M. J.; Duvic, M. : Placental glutathione-S-transferase-pi mRNA is abundantly expressed in human skin. *J. Invest. Derm.* 95: 119-126, 1990.