

GSTA3 polyclonal antibody

Catalog: BS65569

Host: Rabbit

Reactivity: Rat

BackGround:

Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. These enzymes are involved in cellular defense against toxic, carcinogenic, and pharmacologically active electrophilic compounds. At present, eight distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have been identified: alpha, kappa, mu, omega, pi, sigma, theta and zeta. Glutathione S-transferase A3 (GSTA3) belongs to the alpha class genes that are located in a cluster mapped to chromosome 6. Genes of the alpha class are highly related and encode enzymes with glutathione peroxidase activity. However, during evolution, this alpha class gene diverged accumulating mutations in the active site that resulted in differences in substrate specificity and catalytic activity. GSTA3 catalyzes the double bond isomerization of precursors for progesterone and testosterone during the biosynthesis of steroid hormones.

Product:

0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Molecular Weight:

~25kDa

Swiss-Prot:

P30115

Purification&Purity:

affinity purified by Protein A

Applications:

WB=1:500-2000

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

GSTA3 polyclonal Antibody detects endogenous levels of GSTA3 protein.

DATA:



Anti-GSTA3 at 1/1000 dilution

Note:

For research use only, not for use in diagnostic procedure.

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