



## Rabbit Anti-GSTA3 antibody

SL5163R

<b>Product Name:</b>	GSTA3
<b>Chinese Name:</b>	谷胱甘肽S转移酶A3抗体
<b>Alias:</b>	Glutathione S alkyltransferase A3; Glutathione S aralkyltransferase A3; Glutathione S aryltransferase A3; Glutathione S transferase A3 3; Glutathione S transferase A3; Glutathione S transferase alpha 3; Glutathione transferase alpha 3; GST class alpha; GST class alpha member 3; GSTA 3; GSTA3 3; GTA 3; GTA3; GTA-3; MGC22232; S (hydroxyalkyl)glutathione lyase A3; GSTA3 HUMAN.
<b>文献引用</b> <b>PubMed</b> :	<p><b>Specific References(2)</b> SL5163R has been referenced in 2 publications.</p> <p><b>[IF=3.15]</b>Li, Hongyan, et al. "Differential proteome and gene expression reveal response to carbon ion irradiation in pubertal mice testes." Toxicology Letters (2014).<b>WB;Mouse</b>.  <a href="#">PubMed:24440814</a></p> <p><b>[IF=3.54]</b>Huang, Li, et al. "Reduction of Aflatoxin B1 Toxicity by Lactobacillus plantarum C88: A Potential Probiotic Strain Isolated from Chinese Traditional Fermented Food "Tofu". PLOS ONE 12.1 (2017): e0170109.<b>WB;Mouse</b>.  <a href="#">PubMed:28129335</a></p>
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Horse,Rabbit,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	25kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml

<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human GSTA3:131-222/222
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>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.</p> <p><b>Function:</b> Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Catalyzes isomerization reactions that contribute to the biosynthesis of steroid hormones. Efficiently catalyze obligatory double-bond isomerizations of delta(5)-androstene-3,17-dione and delta(5)-pregnene-3,20-dione, precursors to testosterone and progesterone, respectively.</p> <p><b>Subunit:</b> Homodimer.</p> <p><b>Subcellular Location:</b> Cytoplasm.</p> <p><b>Similarity:</b> Belongs to the GST superfamily. Alpha family. Contains 1 GST C-terminal domain. Contains 1 GST N-terminal domain.</p> <p><b>SWISS:</b> Q16772</p> <p><b>Gene ID:</b> 2940</p>

**Database links:**

[Entrez Gene: 2940](#)Human

[Entrez Gene: 14859](#)Mouse

[Entrez Gene: 24421](#)Rat

[Omim: 605449](#)Human

[SwissProt: Q16772](#)Human

[SwissProt: P30115](#)Mouse

[SwissProt: P04904](#)Rat

[Unigene: 102484](#)Human

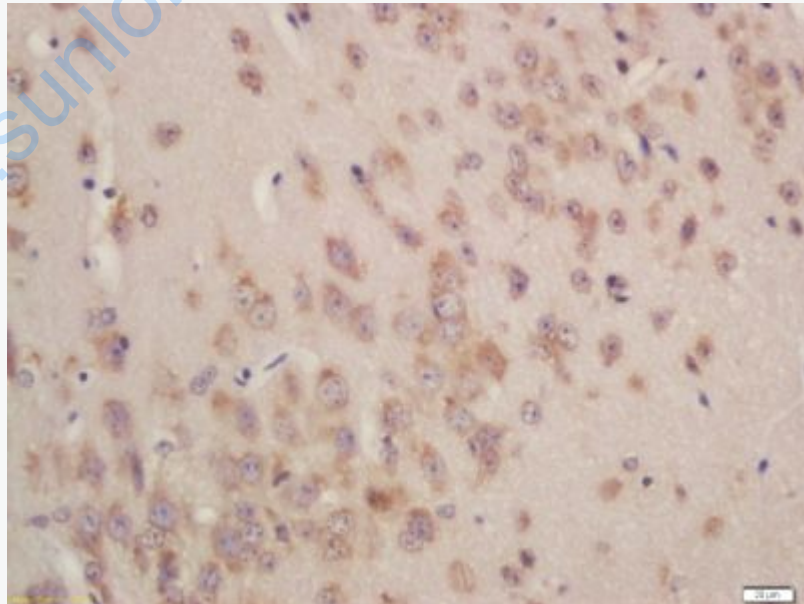
[Unigene: 394593](#)Mouse

[Unigene: 10460](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Picture:**



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block

endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-GSTA3 Polyclonal Antibody, Unconjugated(SL5163R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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