



## Rabbit Anti-GSTK1 antibody

SL13399R

<b>Product Name:</b>	GSTK1
<b>Chinese Name:</b>	谷胱甘肽S转移酶κ抗体
<b>Alias:</b>	Glutathione S Transferase kappa 1; EC 2.5.1.18; Glutathione S transferase subunit 13; Glutathione S-transferase k1; Glutathione S-transferase kappa 1; Glutathione S-transferase subunit 13; Glutathione S-transferase subunit 13 homolog; GST 13 13; GST 13-13; GST; GST class kappa; GST class-kappa; GST13; GST13-13; GSTK1 1; Gstk1; GSTK1-1; GSTK1 HUMAN; hGSTK1.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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 Glutathione S Transferase kappa 1:9-80/226
<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>	Members of the glutathione S-transferase (GST) family of proteins function in the detoxification of xenobiotics to protect cells against toxicant-induced damage. There are

eight families of GST proteins, namely alpha, zeta, theta, kappa, mu, pi, sigma and omega, each of which are composed of proteins that have a variety of functions throughout the cell. GSTK1 (glutathione S-transferase kappa 1), also known as glutathione S-transferase subunit 13 (GST 13-13) or GSTK1-1, is a 226 amino acid ubiquitously expressed protein belonging to the kappa class of the GST superfamily that functions in cellular detoxification. Localizing to peroxisome, GSTK1 exists as a homodimer that catalyzes the conjugation of glutathione to a number of hydrophobic substrates leading to their removal from the cell.

**Function:**

Significant glutathione conjugating activity is found only with the model substrate, 1-chloro-2,4-dinitrobenzene (CDNB).

**Subunit:**

Homodimer.

**Subcellular Location:**

Peroxisome.

**Tissue Specificity:**

Ubiquitous.

**Similarity:**

Belongs to the GST superfamily. Kappa family.

**SWISS:**

Q9Y2Q3

**Gene ID:**

373156

**Database links:**

[Entrez Gene: 373156](#)Human

[Entrez Gene: 76263](#)Mouse

[Omim: 602321](#)Human

[SwissProt: Q9Y2Q3](#)Human

[SwissProt: Q9DCM2](#)Mouse

[Unigene: 390667](#)Human

[Unigene: 267014](#)Mouse

**Important Note:**

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