10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GSTK1 Rabbit pAb

Catalog # AP99311

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9Y2Q3
Other Accession	Q9Y2Q3
Predicted	Rat, Pig, Human, Mouse, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25497
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Glutathione S Transferase kappa 1
Epitope Specificity	9-80/226
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the GST superfamily. Kappa family.
SUBUNIT	Homodimer.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	373156
Other Names	GST; GST 13-13; GST13; GST13-13; GSTK1-1; hGSTK1; 0610025I19Rik; DsbA-L; GSTK1_HUMAN; GSTK1; GST class-kappa; GSTK1-1 (hGSTK1); Glutathione S-transferase subunit 13; 2.5.1.18; GSTK1_MOUSE; GSTK1-1 (mGSTK1); glutathione S-transferase kappa 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	GSTK1
Function	Glutathione S-transferase that catalyzes the conjugation of glutathione to exogenous and endogenous compounds (PubMed:14709161, PubMed:14742434). Significant glutathione conjugating activity is found only with the model substrate, 1-chloro-2,4-dinitrobenzene (CDNB) (PubMed:14709161).
Cellular Location	Peroxisome.
Tissue Location	Ubiquitous..

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.