

## **GSTK1** Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP9867c

### Specification

# **GSTK1** Antibody (Center) - Product Information

Application Primary Accession Reactivity Host Clonality Isotype Antigen Region WB, FC, IHC-P,E <u>09Y203</u> Human, Mouse Rabbit Polyclonal Rabbit IgG 93-120

## **GSTK1** Antibody (Center) - Additional Information

#### Gene ID 373156

**Other Names** Glutathione S-transferase kappa 1, GST 13-13, GST class-kappa, GSTK1-1, hGSTK1, Glutathione S-transferase subunit 13, GSTK1

#### Target/Specificity

This GSTK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 93-120 amino acids from the Central region of human GSTK1.

Dilution WB~~1:1000 FC~~1:10~50 IHC-P~~1:50~100 E~~Use at an assay dependent concentration.

#### Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

GSTK1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

# **GSTK1** Antibody (Center) - Protein Information

Name GSTK1



**Function** Glutathione S-transferase that catalyzes the conjugation of glutathione to exogenous and endogenous compounds (PubMed:<u>14709161</u>, PubMed:<u>14742434</u>). Significant glutathione conjugating activity is found only with the model substrate, 1-chloro-2,4-dinitrobenzene (CDNB) (PubMed:<u>14709161</u>).

Cellular Location Peroxisome.

Tissue Location Ubiquitous..

# **GSTK1** Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>
- **GSTK1 Antibody (Center) Images**



Western blot analysis of GSTK1 Antibody (Center) (Cat. #AP9867c) in mouse liver tissue lysates (35ug/lane). GSTK1 (arrow) was detected using the purified Pab.





GSTK1 Antibody (Center) (Cat. #AP9867c) IHC analysis in formalin fixed and paraffin embedded lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GSTK1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



GSTK1 Antibody (Center) (Cat. #AP9867c) flow cytometric analysis of MDA-MB435 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

# GSTK1 Antibody (Center) - Background

GSTK1 encodes a member of the kappa class of the glutathione transferase superfamily of enzymes that function in cellular detoxification. The encoded protein is localized to the peroxisome and catalyzes the conjugation of glutathione to a wide range of hydrophobic substates facilitating the removal of these compounds from cells. Alternative splicing results in multiple transcript variants.

# **GSTK1 Antibody (Center) - References**

Santos, G.S., et al. Int. J. Mol. Med. 24(3):393-399(2009) Aydos, S.E., et al. Fertil. Steril. 92(2):541-547(2009) Gao, F., et al. Endocr. J. 56(3):487-494(2009) Katoh, T., et al. Pharmacogenomics 9(1):93-104(2008) Li, J., et al. Protein Sci. 14(9):2361-2369(2005)