

GSTK1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9867c

Specification

GSTK1 Antibody (Center) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	O9Y2Q3
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	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
IHC-P~~1:50~100
FC~~1:10~50

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:[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.

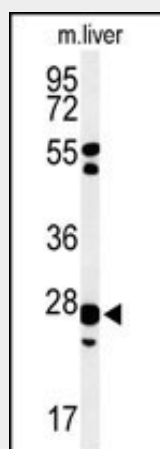
Tissue Location

Ubiquitous..

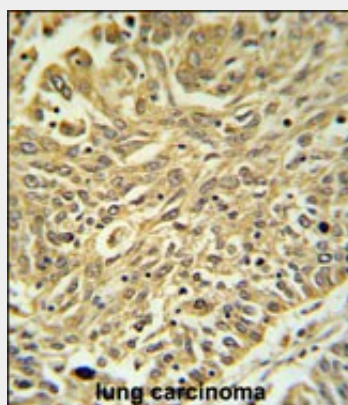
GSTK1 Antibody (Center) - Protocols

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

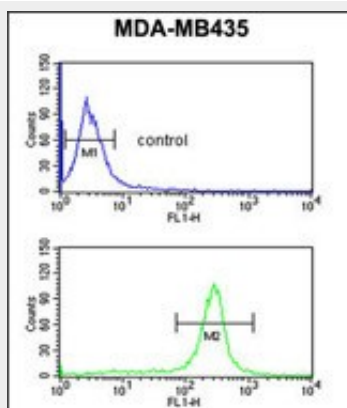
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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 substrates 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)