

Rabbit anti-Human, mouse GSTK1 Polyclonal Antibody | anti-GSTK1 antibody

GSTK1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284200	Rabbit	Human, mouse	Immunohistochemistry, Western Blot, ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

GSTK1; Polyclonal Antibody; GSTK1 Antibody (Center); Glutathione S-transferase kappa 1; GST 13-13; GST class-kappa; GSTK1-1; hGSTK1; Glutathione S-transferase subunit 13; anti-GSTK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.4 (varies by lot)
Sequence Positions	93-120
Sequence Length	282
Applicable Applications for anti-GSTK1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

GSTK1 Antibody (Center) 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.



IHC (Immunohistochemistry)

GSTK1 Antibody (Center) 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.



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-GSTK1 antibody	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.
Product Categories/Family for anti-GSTK1 antibody	Cell Biology; Metabolism; Signal transduction
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) Kato, T., et al. Pharmacogenomics 9(1):93-104(2008) Li, J., et al. Protein Sci. 14(9):2361-2369(2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	219842317
NCBI GeneID	373156
NCBI Accession #	NP_001137151.1; NP_001137152.1; NP_001137153.1; NP_057001.1
NCBI GenBank Nucleotide #	NM_001143679.1
UniProt Accession #	Q9Y2Q3; Q6P4H0; Q7Z520; Q9P1S4; B4DIH1; B4DSY2
Molecular Weight	25497
NCBI Official Full Name	glutathione S-transferase kappa 1 isoform b
NCBI Official Synonym Full Names	glutathione S-transferase kappa 1
NCBI Official Symbol	GSTK1
NCBI Official Synonym Symbols	GST; GST13; hGSTK1; GSTK1-1; GST13-13; GST 13-13
NCBI Protein Information	glutathione S-transferase kappa 1
UniProt Protein Name	Glutathione S-transferase kappa 1
UniProt Gene Name	GSTK1
UniProt Synonym Gene Names	hGSTK1
UniProt Entry Name	GSTK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.