

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

Anti-GSTK1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255748	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

GSTK1; Polyclonal Antibody; Anti-GSTK1 Antibody; Rabbit Polyclonal; GSTK1 Antibody; Rabbit PAb; Antigen Affinity Purified; glutathione S-transferase kappa 1; Anti-GST Antibody; Anti-GST13 Antibody; Anti-GST13-13 Antibody; Anti-GSTK1-1 Antibody; Anti-hGSTK1 Antibody; anti-GSTK1 antibody

PRODUCT SPECIFICATIONS

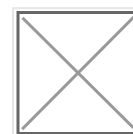
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human GSTK1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-GSTK1 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human GSTK1 Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human GSTK1 (rh GSTK1). GSTK1 specific IgG was purified by Human GSTK1 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-GSTK1 rabbit polyclonal antibody at 1:500 dilution Lane A: GSTK1 knock-out HeLa Whole Cell Lysate Lane B: HeLa Whole Cell Lysate Lysates/proteins at 10 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 25 kDa Observed band size: 25 kDa



WB (Western Blot)

Anti-GSTK1 rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lane B: A431 Whole Cell Lysate Lane C: 293T Whole Cell Lysate Lane D: COLO205 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 25 kDa Observed band size: 25 kDa (We are unsure as to the identity of these extra bands).



IP (Immunoprecipitation)

GSTK1 was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate; Lane B: 0.5 mg 293T Whole Cell Lysate; 2 µL anti-GSTK1 rabbit polyclonal antibody and 60 µg of Immunomagnetic beads Protein G. Primary antibody: Anti-GSTK1 rabbit polyclonal antibody, at 1:100 dilution; Secondary antibody: DyLight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 25 kDa; Observed band size: 25 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-GSTK1 antibody	GSTK1 gene encodes a member of the kappa class of the glutathione transferase superfamily of enzymes that function in cellular detoxification. Glutathione S-transferases (GSTs) are a family of enzymes that catalyze a variety of reactions in both eukaryotes and prokaryotes. They catalyze the conjugation of reduced glutathione with potentially toxic, xenobiotic substrates, thus aiding excretion from the body. GSTK1 (glutathione S-transferase kappa 1) 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. GSTK1 functions in cellular detoxification.
References	Zhang QH, et al. (2001) Cloning and functional analysis of cDNAs with open reading frames for 300 previously undefined genes expressed in CD34+ hematopoietic stem/progenitor cells. <i>Genome Res.</i> 10(10):1546-60. Morel F, et al. (2004) Gene and protein characterization of the human glutathione S-transferase kappa and evidence for a peroxisomal localization. <i>J Biol Chem.</i> 279(16): 16246-53. Jowsey IR, et al. (2003) Biochemical and genetic characterization of a murine class Kappa glutathione S-transferase. <i>Biochem J.</i> 373(Pt 2):559-69.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12643338
NCBI GeneID	373156
UniProt Accession #	Q9Y2Q3; Q6P4H0; Q7Z520; Q9P1S4; B4DIH1; B4DSY2
Molecular Weight	226
NCBI Official Full Name	Glutathione S-transferase kappa 1
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; GST class-kappa; glutathione S-transferase k1; glutathione S-transferase subunit 13 homolog
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.