

Product datasheet for **AP51966PU-N**

Glutathione S Transferase kappa 1 (GSTK1) (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500. Flow Cytometry: 1/10-1/50. Immunohistochemistry on Paraffin Sections: 1/50-1/100.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 99~128 amino acids from the Central region of Human GSTK1
Specificity:	This antibody recognizes Human and Mouse GSTK1 (Center).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	glutathione S-transferase kappa 1
Database Link:	Entrez Gene 76263 Mouse Entrez Gene 373156 Human Q9Y2Q3



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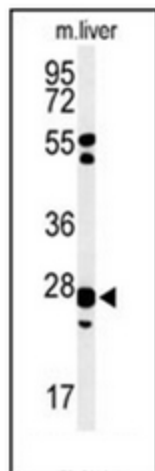
Background: GSTK1 encodes a member of the kappa class of the glutathione transferase superfamily of enzymes that function in cellular detoxification. The encoded protein is localized to the peroxisome and catalyzes the conjugation of glutathione to a wide range of hydrophobic substates facilitating the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

Synonyms: Glutathione S-transferase kappa 1, GST 13-13, GST class-kappa, GSTK1-1

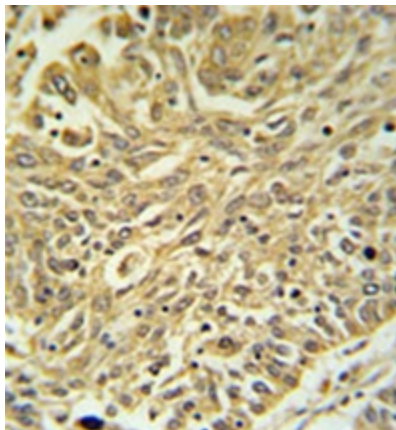
Note: **Molecular Weight:** 25497 Da

Protein Pathways: Drug metabolism - cytochrome P450, Glutathione metabolism, Metabolism of xenobiotics by cytochrome P450

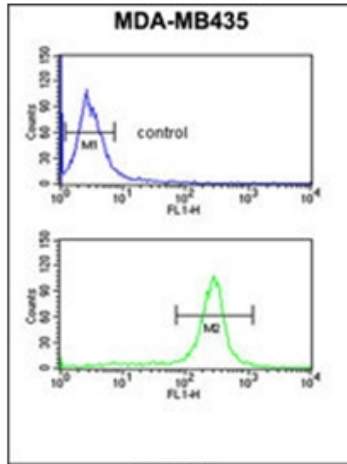
Product images:



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



Immunohistochemistry analysis in formalin fixed and paraffin embedded lung carcinoma reacted with GSTK1 Antibody (Center) followed by peroxidase conjugation of the secondary antibody and DAB staining.



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