

Anti-GSTK1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

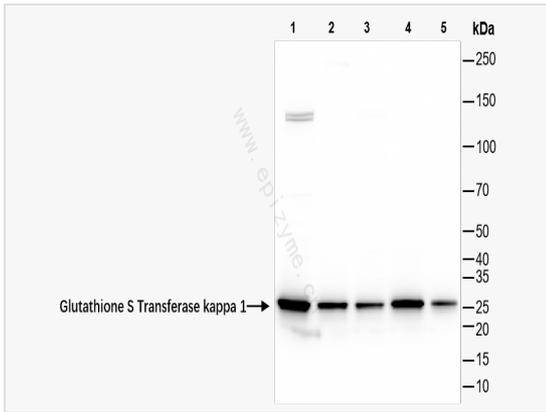
Catalog # R010995

Product Information

Application	IF (Cell)/ICC, ELISA, WB, IHC-P/IF (Tissue-P)
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	81K77K23
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Glutathione S Transferase kappa 1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-GSTK1 Rabbit mAb [81K77K23] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	EC 2.5.1.18, Glutathione S Transferase kappa 1, Glutathione S transferase subunit 13, Glutathione S-transferase k1, Glutathione S-transferase kappa 1, Glutathione S-transferase subunit 13, Glutathione S-transferase subunit 13 homolog, GST 13 13, GST 13-13, GST, GST class kappa, GST class-kappa, GST13, GST13-13, GSTK1 1, Gstk1, GSTK1-1, GSTK1_HUMAN, hGSTK1.
Calculated MW	Calculated MW: 26 kDa; Observed MW: 26 kDa
Uniprot ID	Q9Y2Q3
Gene ID	373156
Background	This gene 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.[provided by RefSeq, Jan 2009]
Cellular Location	Peroxisome.
Tissue Location	Ubiquitous.



Western Blot - Anti-GSTK1 Rabbit mAb [81K77K23]

All lanes: R014069 at 1:2,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates

Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates

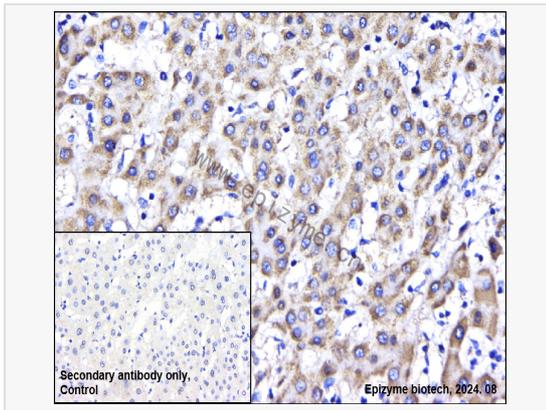
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 26 kDa

Observed band size: 26 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-GSTK1 Rabbit mAb [81K77K23]

Sample: Paraformaldehyde-fixed, paraffin embedded human hepatoma cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R010995 at 1:200 dilution

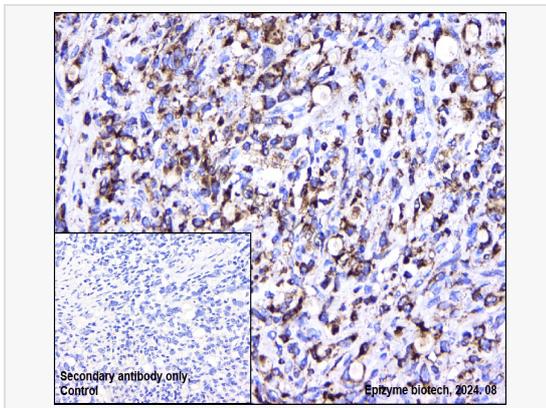
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-GSTK1 Rabbit mAb [81K77K23]

Sample: Paraformaldehyde-fixed, paraffin embedded human gastric cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R010995 at 1:200 dilution

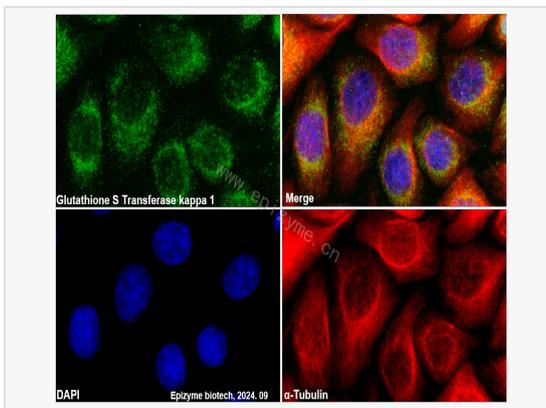
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-GSTK1 Rabbit mAb [81K77K23]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R010995 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and

Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).