
Product Name: KD-Validated GST3 / GSTP1 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01035

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 23.4kDa

Antigen Information

Gene Name	GSTP1 GSTP1; Glutathione S-Transferase Pi 1; FAES3; GSTP; GST3; Glutathione S-Transferase P; GST
Alternative Names	Class-Pi; EC 2.5.1.18; GSTP1-1; Fatty Acid Ethyl Ester Synthase III; Epididymis Secretory Protein Li 22; Deafness, X-Linked 7; HEL-S-22; DFN7; PI
Gene ID	2950.0
SwissProt ID	P09211
Immunogen	A synthesized peptide derived from human GST3 / GST pi

Background

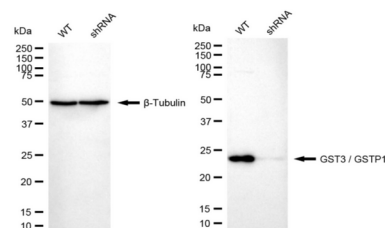
Glutathione S-transferases (GSTs) are a family of enzymes that play an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. Based on their biochemical,

immunologic, and structural properties, the soluble GSTs are categorized into 4 main classes: alpha, mu, pi, and theta. This GST family member is a polymorphic gene encoding active, functionally different GSTP1 variant proteins that are thought to function in xenobiotic metabolism and play a role in susceptibility to cancer, and other diseases. [provided by RefSeq, Jul 2008]

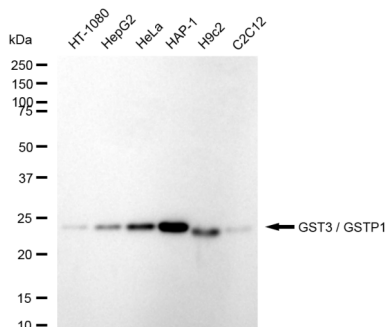
Research Area

Cardiovascular, Neuroscience, Metabolism

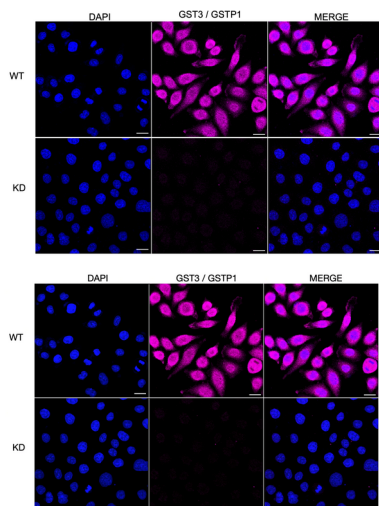
Image Data



Western blotting analysis using GST3 / GSTP1 antibody (KVAb01035). GST3 / GSTP1 expression in wild type (WT) and GST3 / GSTP1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with GST3 / GSTP1 antibody (KVAb01035, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.

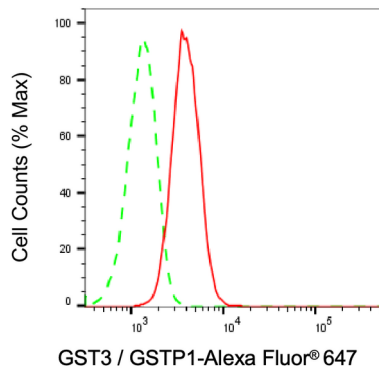


Western blotting analysis using GST3 / GSTP1 antibody (KVAb01035). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with GST3 / GSTP1 antibody (KVAb01035, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells using GST3 / GSTP1 antibody (KVAb01035, 1:1,000). Top panel: wild-type (WT); Bottom panel: GST3 / GSTP1 shRNA knockdown (KD). Nuclei were stained blue with DAPI; GST3 / GSTP1 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm. Permeabilization: Triton.

Immunocytochemical staining of HAP-1 cells with GST3 / GSTP1 antibody (KVAb01035, 1:1,000). Nuclei were stained blue with DAPI; GST3 / GSTP1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of GST3 / GSTP1 expression in HAP-1 cells using GST3 / GSTP1 antibody (KVAb01035, 1:2,000). Green, isotype control; red, GST3 / GSTP1.