

Datasheet for ABIN390882

anti-Glutathione Synthetase antibody (C-Term)

3 Images

1 Publication

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Overview

Quantity:	400 µL
Target:	Glutathione Synthetase (GSS)
Binding Specificity:	AA 372-400, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glutathione Synthetase antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This GSS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 372-400 amino acids from the C-terminal region of human GSS.
Clone:	RB39457
Isotype:	Ig Fraction
Predicted Reactivity:	B, Pr, M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Glutathione Synthetase (GSS)
Alternative Name:	GSS (GSS Products)

Target Details

Background:	Glutathione is important for a variety of biological functions, including protection of cells from oxidative damage by free radicals, detoxification of xenobiotics, and membrane transport. GSS functions as a homodimer to catalyze the second step of glutathione biosynthesis, which is the ATP-dependent conversion of gamma-L-glutamyl-L-cysteine to glutathione.
Molecular Weight:	52385
Gene ID:	2937
NCBI Accession:	NP_000169
UniProt:	P48637
Pathways:	Warburg Effect

Application Details

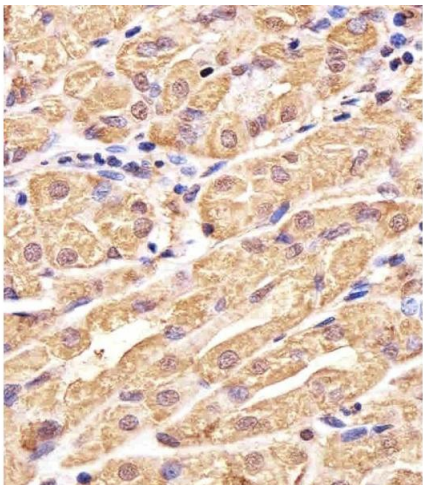
Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:25
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze-thaw cycles.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots.
Expiry Date:	6 months

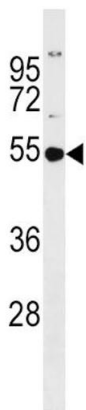
Publications

Product cited in:	Xu, Han, Epstein, Liu: "Regulation of PDK mRNA by high fatty acid and glucose in pancreatic islets." in: Biochemical and biophysical research communications , Vol. 344, Issue 3, pp. 827-33, (2006) (PubMed).
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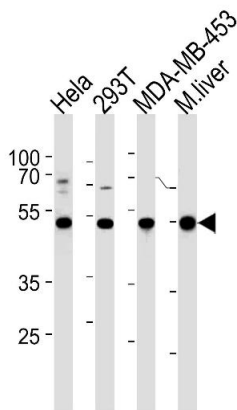
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical analysis of paraffin-embedded H. stomach section using GSS Antibody (C-term) (ABIN390882 and ABIN2841094). (ABIN390882 and ABIN2841094) was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



Western Blotting

Image 2. GSS Antibody (C-term) (ABIN390882 and ABIN2841094) western blot analysis in MDA-M cell line lysates (35 µg/lane). This demonstrates the GSS antibody detected the GSS protein (arrow).



Western Blotting

Image 3. GSS Antibody (C-term) (ABIN390882 and ABIN2841094) western blot analysis in HeLa, 293T, MDA-MB-453 cell line and mouse liver tissue lysates (35 µg/lane). This demonstrates the GSS antibody detected the GSS protein (arrow).