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HAGH Antibody (C-term) (Ascites)

Mouse Monoclonal Antibody (Mab)
Catalog # AM2159a

Product Information

Application	WB, E
Primary Accession	Q16775
Other Accession	NP_005317.2
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	611CT23.6.1
Calculated MW	33806
Antigen Region	279-308

Additional Information

Gene ID	3029
Other Names	Hydroxyacylglutathione hydrolase, mitochondrial, Glyoxalase II, Glx II, HAGH, GLO2, HAGH1
Target/Specificity	This HAGH antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 279-308 amino acids from the C-terminal region of human HAGH.
Dilution	WB~~1:100~1600 E~~Use at an assay dependent concentration.
Format	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	HAGH Antibody (C-term) (Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HAGH
Synonyms	GLO2, HAGH1
Function	Thiolesterase that catalyzes the hydrolysis of S-D-lactoyl- glutathione to form glutathione and D-lactic acid.

Cellular Location	[Isoform 1]: Mitochondrion matrix
Tissue Location	Expressed in liver and kidney.

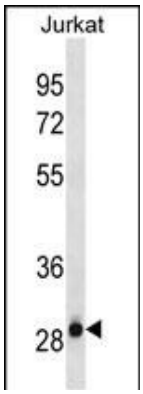
Background

The enzyme encoded by this gene is classified as a thiolesterase and is responsible for the hydrolysis of S-lactoyl-glutathione to reduced glutathione and D-lactate. Two transcript variants encoding different isoforms have been found for this gene.

References

Davila, S., et al. Genes Immun. 11(3):232-238(2010)
Limphong, P., et al. Biochemistry 48(23):5426-5434(2009)
Antognelli, C., et al. Cancer Biol. Ther. 6(12):1880-1888(2007)
Xu, Y., et al. J. Biol. Chem. 281(36):26702-26713(2006)
Antognelli, C., et al. Cancer J 12(3):222-228(2006)

Images



HAGH Antibody (C-term)(Ascites)(Cat. #AM2159a) western blot analysis in Jurkat cell line lysates (35µg/lane).This demonstrates the HAGH antibody detected the HAGH protein (arrow).