

Product Datasheet

GGT1 Antibody (1F9) - Azide and BSA Free H00002678-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00002678-M01

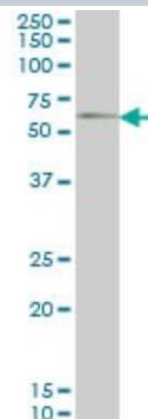
GGT1 Antibody (1F9) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1F9
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	2678
Gene Symbol	GGT1
Species	Human, Mouse, Yeast
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Specificity/Sensitivity	GGT1 - gamma-glutamyltransferase 1
Immunogen	GGT1 (NP_005256, 381 a.a. ~ 470 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. TAHLSVVAEDGSAVSATSTINLYFGSKVRSPVSGILFNNEMDDFSSPSITNEFGV PPSPANFIQPGKQPLSSMCPTIMVGQDQGQVRMVVG
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Sandwich ELISA
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Sandwich ELISA 1:100-1:2000
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IHC-P and ELISA. Use in Immunohistochemistry reported in scientific literature (PMID: 29935878).

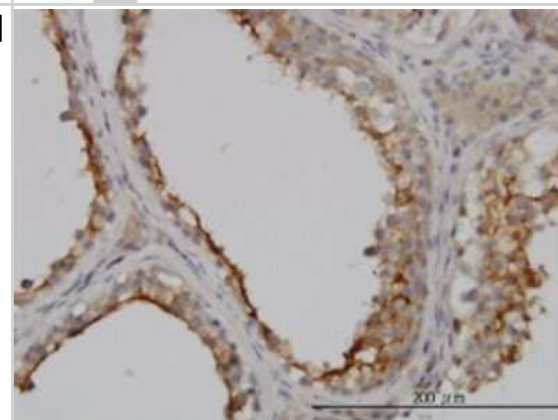


Images

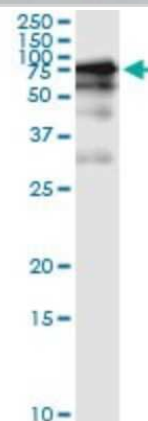
Western Blot: GGT1 Antibody (1F9) [H00002678-M01] - GGT1 monoclonal antibody (M01), clone 1F9 Analysis of GGT1 expression in NIH/3T3.



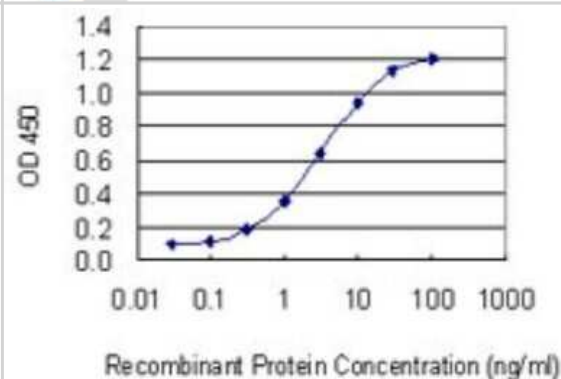
Immunohistochemistry-Paraffin: GGT1 Antibody (1F9) [H00002678-M01] - Analysis of monoclonal antibody to GGT1 on formalin-fixed paraffin-embedded human testis. Antibody concentration 3 ug/ml.



Immunoprecipitation: GGT1 Antibody (1F9) [H00002678-M01] - Analysis of GGT1 transfected lysate using anti-GGT1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with GGT1 MaxPab rabbit polyclonal antibody.



Sandwich ELISA: GGT1 Antibody (1F9) [H00002678-M01] - Detection limit for recombinant GST tagged GGT1 is 0.1 ng/ml as a capture antibody.



Publications

- Shun K, Takafusa Y, Haruaki H et al. r-Glutamyl Hydroxymethyl Rhodamine Green Fluorescence as a Prognostic Indicator for Lung Cancer. *Gen Thorac Cardiovasc Surg*. 2020-06-02 [PMID: 32488832]
- Akashi T, Isomoto H, Matsushima K et al. A novel method for rapid detection of a *Helicobacter pylori* infection using a γ -glutamyltranspeptidase-activatable fluorescent probe. *Sci Rep*. 2019-07-01 [PMID: 31263136]
- Daisuke Y, Mako K, Shun K et al. Rapid imaging of thymoma and thymic carcinoma with a fluorogenic probe targeting γ -glutamyltranspeptidase. *Sci Rep*. 2023-03-07 [PMID: 36882498]
- Kubo H, Hanaoka K, Kuriki Y et al. Rapid detection of metastatic lymph nodes of colorectal cancer with a gamma-glutamyl transpeptidase-activatable fluorescence probe. *Sci Rep* 2018-12-12 [PMID: 30542087]
- Grammatikopoulos T, Deheragoda M, Strautnieks S et al. Reduced Hepatocellular Expression of Canalicular Transport Proteins in Infants with Neonatal Cholestasis and Congenital Hypopituitarism *J. Pediatr*. 2018-06-20 [PMID: 29935878] (IF/IHC, Human)
- Kawakami K, Fujita Y, Matsuda Y et al. Gamma-glutamyltransferase activity in exosomes as a potential marker for prostate cancer. *BMC Cancer* 2017-05-05 [PMID: 28476099]
- Blackmore L, Knisely AS, Hartley JL et al. Polymorphisms in ABCB11 and ATP8B1 Associated with Development of Severe Intrahepatic Cholestasis in Hodgkin's Lymphoma. *Journal of Clinical and Experimental Hepatology*. 2012-01-01 [PMID: 25755490]
- West MB, Segu ZM, Feasley CL et al. Analysis of site-specific glycosylation of renal and hepatic gamma-glutamyl transpeptidase from normal human tissue. *J Biol Chem*. 2010-07-09 [PMID: 20622017]
- West MB, Wickham S, Quinalty LM et al. Autocatalytic cleavage of human γ -glutamyl transpeptidase is highly dependent on N-glycosylation at asparagine 95. *J Biol Chem*. 2011-06-28 [PMID: 21712391]
- Grau L, Luque-Garcia JL, Gonzalez-Peramato P et al. A quantitative proteomic analysis uncovers the relevance of CUL3 in bladder cancer aggressiveness. *PLoS One*. 2013-01-01 [PMID: 23308193] (Human)





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DY1707	C-Reactive Protein/CRP [Biotin]

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