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Datasheet for ABIN7154060
anti-GGT1 antibody (AA 13-225)

2 Images

Overview

Quantity:	100 µg
Target:	GGT1
Binding Specificity:	AA 13-225
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GGT1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Glutathione hydrolase 1 proenzyme protein (13-225AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	GGT1
Alternative Name:	GGT1 (GGT1 Products)
Background:	Background: Cleaves the gamma-glutamyl bond of extracellular glutathione (gamma-Glu-Cys-Gly), glutathione conjugates, and other gamma-glutamyl compounds. The metabolism of

Target Details

glutathione releases free glutamate and the dipeptide, cysteinyl-glycine, which is hydrolyzed to cysteine and glycine by dipeptidases. In the presence of high concentrations of dipeptides and some amino acids, can also catalyze a transpeptidation reaction, transferring the gamma-glutamyl moiety to an acceptor amino acid to form a new gamma-glutamyl compound. Initiates extracellular glutathione (GSH) breakdown, provides cells with a local cysteine supply and contributes to maintain intracellular GSH level. It is part of the cell antioxidant defense mechanism. Isoform 3 seems to be inactive.

Aliases: CD224 antibody, D22S672 antibody, D22S732 antibody, Gamma glutamyl transpeptidase antibody, Gamma glutamyltransferase 1 antibody, Gamma glutamyltranspeptidase 1 antibody, Gamma-glutamyltransferase 1 antibody, Gamma-glutamyltranspeptidase 1 light chain antibody, GGT 1 antibody, GGT antibody, GGT1 antibody, GGT1_HUMAN antibody, Glutamyl transpeptidase antibody, Glutathione hydrolase 1 antibody, GTG antibody, Leukotriene C4 hydrolase antibody, MGC96892 antibody, MGC96904 antibody, MGC96963 antibody, OTTHUMP00000028921 antibody, OTTHUMP00000197959 antibody

UniProt: [P19440](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

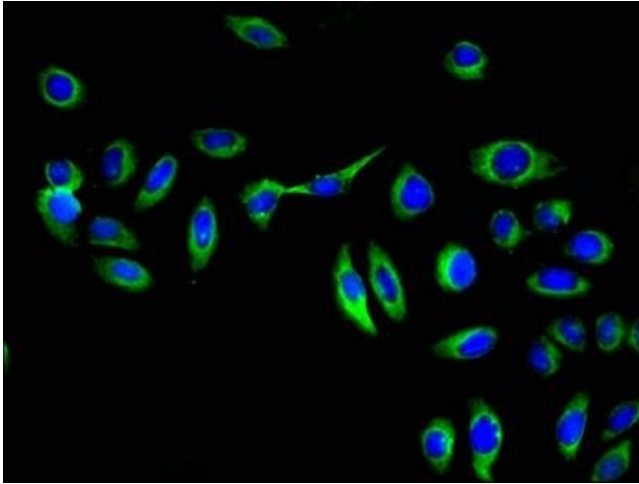
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

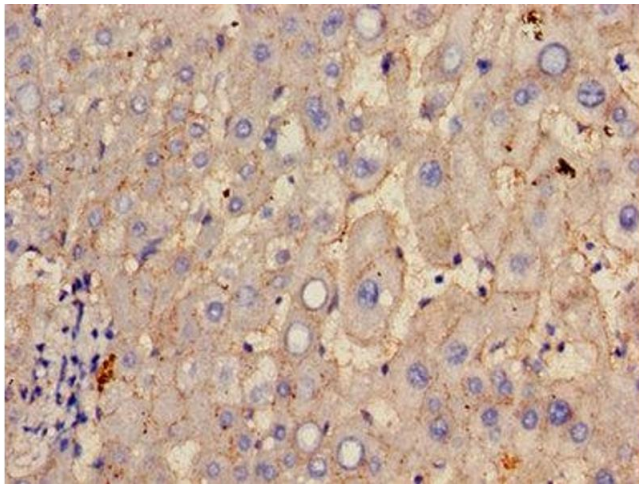
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescent analysis of A549 cells using ABIN7154060 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human liver tissue using ABIN7154060 at dilution of 1:100