

Datasheet for ABIN2856258

anti-GSTZ1 antibody[Go to Product page](#)

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Overview

Quantity:	100 µL
Target:	GSTZ1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GSTZ1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human GSTZ1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to GSTZ1 (glutathione transferase zeta 1) GSTZ1 antibody [N1C3]
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

Target Details

Target:	GSTZ1
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Target Details

Alternative Name:	glutathione S-transferase zeta 1 (GSTZ1 Products)
Background:	<p>This gene is a member of the glutathione S-transferase (GSTs) super-family which encodes multifunctional enzymes important in the detoxification of electrophilic molecules, including carcinogens, mutagens, and several therapeutic drugs, by conjugation with glutathione. This enzyme also plays a significant role in the catabolism of phenylalanine and tyrosine. Thus defects in this enzyme may lead to severe metabolic disorders including alkaptonuria, phenylketonuria and tyrosinaemia. Several transcript variants of this gene encode multiple protein isoforms.</p> <p>Cellular Localization: Cytoplasm</p>
Molecular Weight:	24 kDa
Gene ID:	2954
UniProt:	O43708

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	<p>Positive Control: 293T</p> <p>Validation: KO/KD, Orthogonal, Overexpression</p>
Restrictions:	For Research Use only

Handling

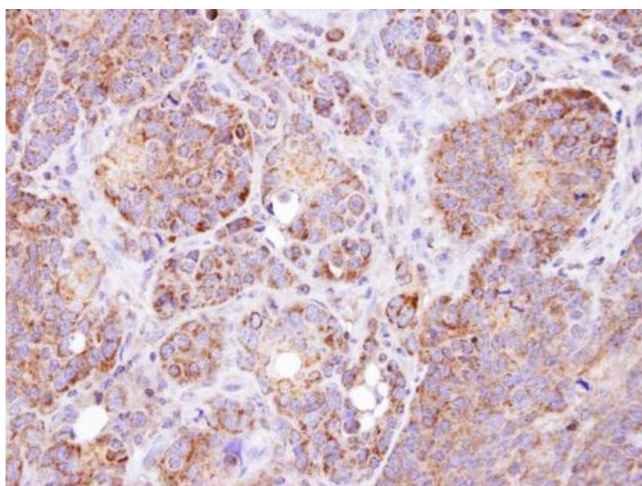
Format:	Liquid
Concentration:	0.98 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid

multiple freeze-thaw cycles.

Publications

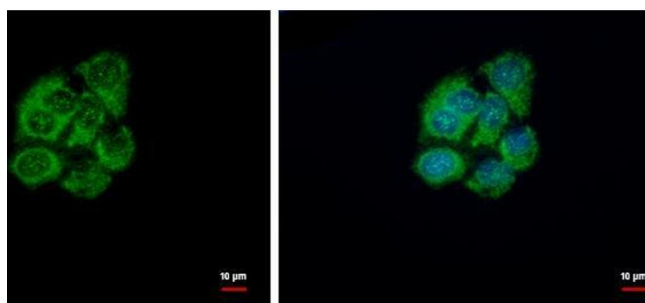
Product cited in: Pfeifer, Thurner, Kessel, Fadle, Kheiroddin, Regitz, Hoffmann, Kos, Preuss, Fischer, Roemer, Lohse, Heyne, Detemple, Fedlmeier, Juenger, Sauer, Meyer, Rohrer, Wittkowski, Becker, Masjosthusmann, Bals et al.: "Autoantibodies against interleukin-1 receptor antagonist in multisystem inflammatory syndrome in children: a multicentre, retrospective, cohort study. ..." in: **The Lancet. Rheumatology**, Vol. 4, Issue 5, pp. e329-e337, (2022) ([PubMed](#)).

Images



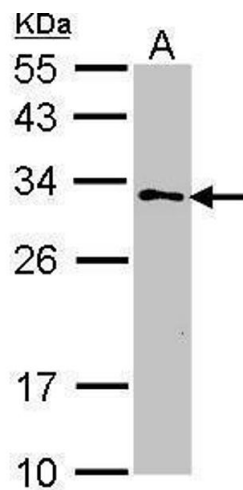
Immunohistochemistry

Image 1. IHC-P Image Immunohistochemical analysis of paraffin-embedded SW480 xenograft, using MAAI, antibody at 1:100 dilution.



Immunofluorescence

Image 2. ICC/IF Image GSTZ1 antibody [N1C3] detects GSTZ1 protein at cytoplasm by immunofluorescent analysis. Sample: HepG2 cells were fixed in ice-cold MeOH for 5 min. Green: GSTZ1 protein stained by GSTZ1 antibody [N1C3], diluted at 1:500. Blue: Hoechst 33342 staining.



Western Blotting

Image 3. WB Image Sample (30 ug of whole cell lysate) A:
293T 12% SDS PAGE antibody diluted at 1:1000