

Datasheet for ABIN952645

anti-GSTT1 antibody (N-Term)**2** Images[Go to Product page](#)

Overview

| | |
|----------------------|--|
| Quantity: | 0.4 mL |
| Target: | GSTT1 |
| Binding Specificity: | AA 6-34, N-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This GSTT1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA) |

Product Details

| | |
|---------------|---|
| Immunogen: | KLH conjugated synthetic peptide between 6-34 amino acids from the N-terminal region of Human GSTT1 |
| Isotype: | Ig Fraction |
| Specificity: | This antibody recognizes Human GSTT1 (N-term). |
| Purification: | Protein A column, followed by peptide affinity purification |

Target Details

| | |
|-------------------|---|
| Target: | GSTT1 |
| Alternative Name: | GSTT1 (GSTT1 Products) |
| Background: | Glutathione S-transferase (GST) theta 1 (GSTT1) is a member of a superfamily of proteins that |

Target Details

catalyze the conjugation of reduced glutathione to a variety of electrophilic and hydrophobic compounds. Human GSTs can be divided into five main classes: alpha, mu, pi, theta, and zeta. The theta class includes GSTT1 and GSTT2. The GSTT1 and GSTT2 share 55 % amino acid sequence identity and both of them were claimed to have an important role in human carcinogenesis. The GSTT1 gene is located approximately 50kb away from the GSTT2 gene. The GSTT1 and GSTT2 genes have a similar structure, being composed of five exons with identical exon/intron boundaries. Synonyms: GST class-theta-1, Glutathione S-transferase theta-1, Glutathione transferase T1-1

Molecular Weight: 27335 Da

Gene ID: 2952

NCBI Accession: [NP_000844](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS containing 0.09 % (W/V) Sodium Azide as preservative

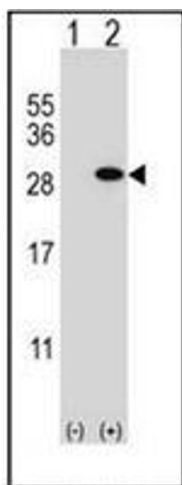
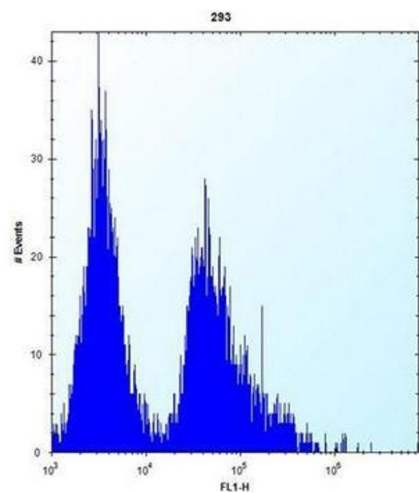
Preservative: Sodium azide

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

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Flow Cytometry

Image 1. Flow cytometric analysis of 293 cells using AP51969PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of GSTT1 (arrow) using GSTT1 Antibody (N-term) Cat.-No AP51969PU-N. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the GSTT1 gene.