

GST-Pi (AB1548) mouse mAb

W0421

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

- 23 kDa (calculated)
- 26 kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

IHC; WB; IF; ELISA

Dilution

IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1548

Immunogen A synthetic peptide corresponding to the amino acid region 150 - 210 of the human GST - Pi protein.

Specificity The antibody can specifically recognize human GST-Pi protein. In western blotting of HeLa cell lysate, the antibody can label a 26 kDa band corresponding to GST-Pi.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name Glutathione S-transferase P (EC 2. 5. 1. 18) (GST class-pi) (GSTP1-1)

Protein Name GST-Pi

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P09211	2950

Background GST-Pi is a major isoenzyme in GST family. It widely exists in the cytoplasm and mitochondria of human organs and has detoxification function. At present, it is considered to be a marker of drug resistance in tumor cells. GST-Pi is highly expressed in a variety of tumors, which is related to tumor treatment drug resistance. The simultaneous detection of GST-Pi with P-gp and TopoII has more clinical significance for judging whether tumor cells produce drug resistance.