

GSTZ1 rabbit monoclonal antibody

Catalog # H00002954-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human GSTZ1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human GSTZ1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human GSTZ1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — GSTZ1

Entrez GeneID	2954
GeneBank Accession#	GSTZ1
Gene Name	GSTZ1
Gene Alias	GSTZ1-1, MAAI, MAI, MGC2029
Gene Description	glutathione transferase zeta 1
Omim ID	603758
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	S-(hydroxyalkyl)glutathione lyase glutathione S-alkyltransferase glutathione S-aryltransferase glutathione S-arylesterase glutathione S-transferase Zeta 1 maleylacetoacetate isomerase maleylacetone isomerase

Pathway

- [Drug metabolism - cytochrome P450](#)
- [Glutathione metabolism](#)
- [Metabolic pathways](#)
- [Metabolism of xenobiotics by cytochrome P450](#)
- [Styrene degradation](#)
- [Tyrosine metabolism](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cognition](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Keratosi](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Parkinson disease](#)
- [Pulmonary Disease](#)
- [Sensation Disorders](#)
- [Urinary Bladder Neoplasms](#)
- [Vestibular Diseases](#)
- [Werner syndrome](#)