DNAxPAb | Hard-to-Find Antibody

GSTZ1 DNAxPab

Catalog # H00002954-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human GSTZ1 DNA using DNAx™ Immune tec hnology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MQAGKPILYSYFRSSCSWRVRIALALKGIDYETVPINLIKDGGQQFSKDFQALNPMKQVPTLKIDGITI HQSLAIIEYLEEMRPTPRLLPQDPKKRASVRMISDLIAGGIQPLQNLSVLKQVGEEMQLTWAQNAIT CGFNALEQILQSTAGIYCVGDEVTMADLCLVPQVANAERFKVDLTPYPTISSINKRLLVLEAFQVSH PCRQPDTPTELRA
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — GSTZ1

Entrez GeneID	2954
GeneBank Accession#	NM_145870.1
Protein Accession#	NP_665877.1
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-aralkyltransferase|glutathione S-aryltransferase|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
- Keratosis
- Kidney Failure
- Lung Neoplasms
- Parkinson disease
- Pulmonary Disease
- Sensation Disorders
- Urinary Bladder Neoplasms
- Vestibular Diseases
- Werner syndrome