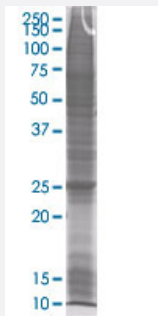


GSTA4 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00002941-T01

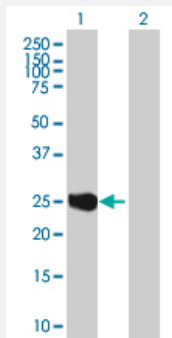
Size 100 uL

Applications



SDS-PAGE Gel

GSTA4 transfected lysate



Western Blot

Lane 1: GSTA4 transfected lysate (24.53 KDa).

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-GSTA4 full-length

Host Human

Theoretical MW (kDa) 24.53

Quality Control Testing Transient overexpression cell lysate was tested with Anti-GSTA4 antibody ([H00002941-B01](#)) by Western Blots.
 SDS-PAGE Gel
 GSTA4 transfected lysate
 Western Blot
 Lane 1: GSTA4 transfected lysate (24.53 KDa).
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — GSTA4

Entrez GeneID[2941](#)**GeneBank Accession#**[BC015523](#)**Protein Accession#**[AAH15523](#)**Gene Name**

GSTA4

Gene Alias

DKFZp686D21185, GSTA4-4, GTA4

Gene Description

glutathione S-transferase alpha 4

Omim ID[605450](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. These enzymes are involved in cellular defense against toxic, carcinogenic, and pharmacologically active electrophilic compounds. At present, eight distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have been identified: alpha, kappa, mu, omega, pi, sigma, theta and zeta. This gene encodes a glutathione S-transferase belonging to the alpha class. The alpha class genes, which are located in a cluster on chromosome 6, are highly related and encode enzymes with glutathione peroxidase activity that function in the detoxification of lipid peroxidation products. Reactive electrophiles produced by oxidative metabolism have been linked to a number of degenerative diseases including Parkinson's disease, Alzheimer's disease, cataract formation, and atherosclerosis. [provided by RefSeq]

Other Designations

GST class-alpha|OTTHUMP00000016624|OTTHUMP00000016625|S-(hydroxyalkyl)glutathione lyase A4|glutathione S-alkyltransferase A4|glutathione S-aryltransferase A4|glutathione S-transferase A4|glutathione transferase A4-4

Pathway

- [Drug metabolism - cytochrome P450](#)
- [Glutathione metabolism](#)
- [Metabolism of xenobiotics by cytochrome P450](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Carcinoma](#)
- [Celiac Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Kidney Failure](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Mesothelioma](#)
- [Neurodegenerative Diseases](#)
- [Pancreatic Neoplasms](#)
- [Parkinson disease](#)
- [Pleural Neoplasms](#)
- [Pulmonary Disease](#)

- [Skin Neoplasms](#)
- [Small Cell Lung Carcinoma](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)