GSTA3 Antibody

Catalog No: #36515

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

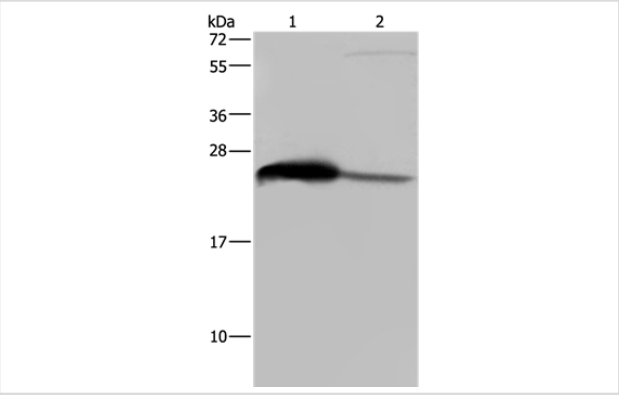
Product Name	GSTA3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total GSTA3 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	GSTA3
Other Names	GTA3; GSTA3-3
Accession No.	Swiss-Prot#: Q16772NCBI Gene ID: 2940Gene Accssion: BC020619
Uniprot	Q16772
GeneID	2940;
SDS-PAGE MW	25kd
Concentration	1mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

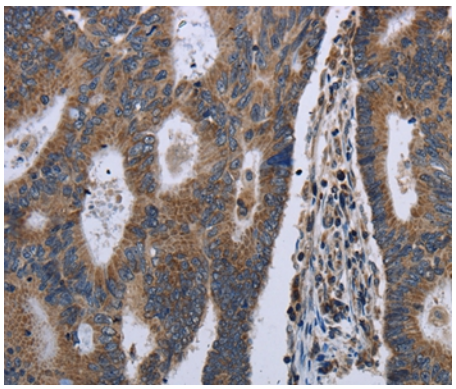
Western blotting: 1:500-1:2000

Immunohistochemistry: 1:50-1:200

Images



Gel: 10%SDS-PAGE
Lysates (from left to right): Human testis tissue and HepG2 cell
Amount of lysate: 40ug per lane
Primary antibody: 1/250 dilution
Secondary antibody dilution: 1/8000
Exposure time: 10 seconds



Immunohistochemical analysis of paraffin-embedded Human colon cancer tissue using #36515 at dilution 1/30.

Background

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-tranferase belonging to the alpha class genes that are located in a cluster mapped to chromosome 6. Genes of the alpha class are highly related and encode enzymes with glutathione peroxidase activity. However, during evolution, this alpha class gene diverged accumulating mutations in the active site that resulted in differences in substrate specificity and catalytic activity.?

Note: This product is for in vitro research use only