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Product datasheet for TA364825S

GSTA3 Rabbit Polyclonal Antibody

Product data:

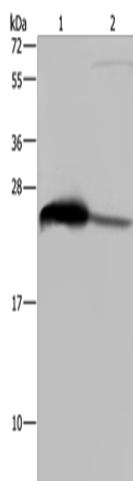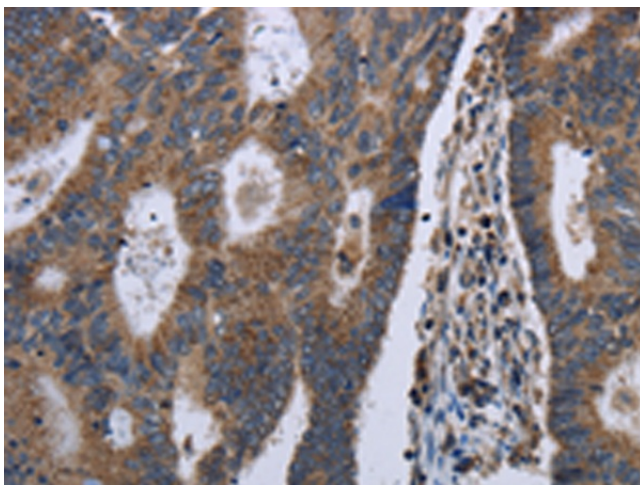|	
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000
	WB positive control: Human testis tissue and HepG2 cells
	IHC: 50-200
	Positive control: Human colon cancer
	Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human GSTA3
Formulation:	pH7.4 PBS, 0.05% NaN3, 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	25 kDa
Gene Name:	glutathione S-transferase alpha 3
Database Link:	Entrez Gene 2940 Human
	Q16772

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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.
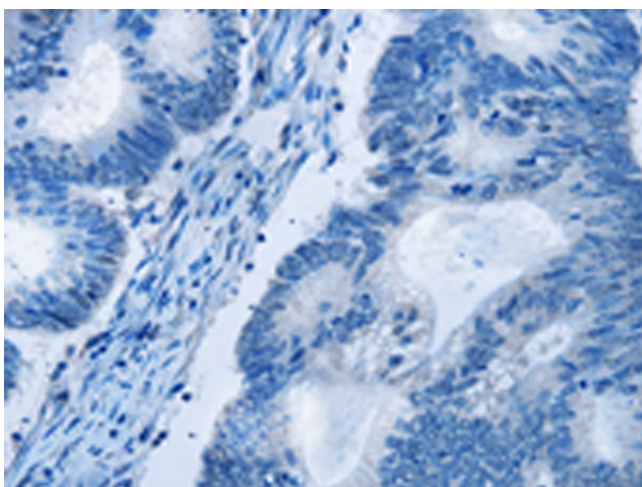
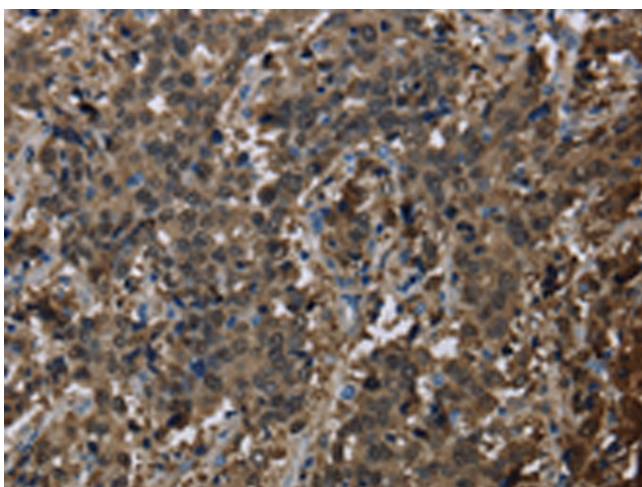**Synonyms:** GSTA3-3; GTA3; MGC22232

Product images:

Gel: 10%SDS-PAGE
Lysate: 40 µg
Lane 1-2: Human testis tissue
HepG2 cells
Primary antibody: [TA364825] (GSTA3 Antibody) at dilution 1/250
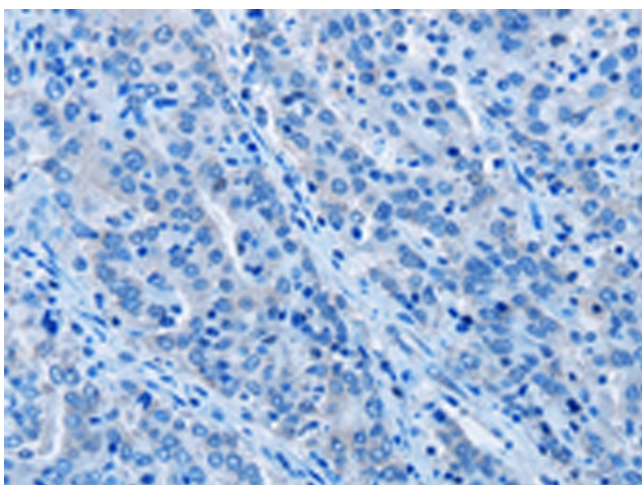Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 10 seconds

Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA364825] (GSTA3 Antibody) at dilution 1/30 (Original magnification: ×200)

Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA364825] (GSTA3 Antibody) at dilution 1/30, treated with fusion protein. (Original magnification: ×200)

Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA364825] (GSTA3 Antibody) at dilution 1/30 (Original magnification: ×200)

Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA364825] (GSTA3 Antibody) at dilution 1/30, treated with fusion protein. (Original magnification: ×200)