

Rabbit anti-Human GSTA2 Polyclonal Antibody | anti-GSTA2 antibody

GSTA2 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285319	Rabbit	Human	Western Blot, Immunohistochemistry, ELISA

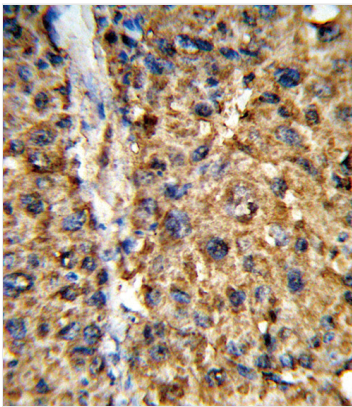
PRODUCT SYNONYMS

GSTA2; Polyclonal Antibody; GSTA2 Antibody (N-term); Glutathione S-transferase A2; GST HA subunit 2; GST class-alpha member 2; GST-gamma; GSTA2-2; GTH2; GST2; anti-GSTA2 antibody

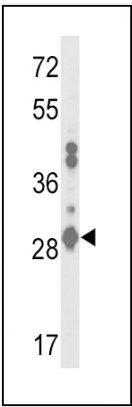
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GSTA2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human GSTA2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.25 (varies by lot)
Sequence Positions	1-30
Sequence Length	222
Applicable Applications for anti-GSTA2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with GSTA2 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of GSTA2 Antibody (N-term) in MDA-MB231 cell line lysates (35ug/lane). GSTA2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-GSTA2 antibody	Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. These enzymes function in the detoxification of electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins and products of oxidative stress, by conjugation with glutathione. The genes encoding these enzymes are known to be highly polymorphic. These genetic variations can change an individual's susceptibility to carcinogens and toxins as well as affect the toxicity and efficacy of some drugs. 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, located in a cluster mapped to chromosome 6, are the most abundantly expressed glutathione S-transferases in liver. In addition to metabolizing bilirubin and certain anti-cancer drugs in the liver, the alpha class of these enzymes exhibit glutathione peroxidase activity thereby protecting the cells from reactive oxygen species and the products of peroxidation.
Product Categories/Family for anti-GSTA2 antibody	Signal Transduction
References	Tars, K., et al. J. Mol. Biol. 397(1):332-340(2010) Moyer, A.M., et al. Cancer Epidemiol. Biomarkers Prev. 19(3):811-821(2010) Gemignani, F., et al. Mutat. Res. 671 (1-2), 76-83 (2009) Rohrdanz, E., et al. Arch. Biochem. Biophys. 298(2):747-752(1992) Bogaards, J.J., et al. Biochem. J. 286 (PT 2), 383-388 (1992) Klone, A., et al. Biochem. J. 285 (PT 3), 925-928 (1992)

NCBI AND UNIPROT INFORMATION

NCBI GI #	215276987
NCBI GeneID	2939
NCBI Accession #	NP_000837.3
NCBI GenBank Nucleotide #	NM_000846.4
UniProt Accession #	P09210; Q12759; Q16491; Q9NTY6
Molecular Weight	25664
NCBI Official Full Name	glutathione S-transferase A2
NCBI Official Synonym Full Names	glutathione S-transferase alpha 2
NCBI Official Symbol	GSTA2
NCBI Official Synonym Symbols	GST2; GTA2; GTH2; GSTA2-2

NCBI Protein Information	glutathione S-transferase A2
UniProt Protein Name	Glutathione S-transferase A2
UniProt Gene Name	GSTA2
UniProt Synonym Gene Names	GST2
UniProt Entry Name	GSTA2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gsta2-antibody-western-blot-immunohistochemistry-elisa/285319>