

Rabbit GSTA4 Polyclonal Antibody | anti-GSTA4 antibody

GSTA4 antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199933	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Immunohistochemistry, Western Blot

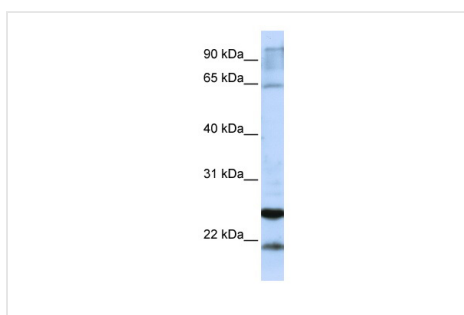
PRODUCT SYNONYMS

GSTA4; Polyclonal Antibody; GSTA4 antibody - C-terminal region; anti-GSTA4 antibody

PRODUCT SPECIFICATIONS

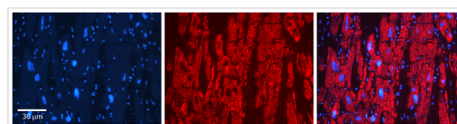
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following sequence: LS AFPFLQEYTV KLSNIPTIKR FLEPGSKKKP PPDEIYVRTV YNIFRP
Sequence Length	222
Applicable Applications for anti-GSTA4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 93%; Dog: 93%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 77%; Rabbit: 100%; Rat: 79%; Zebrafish: 79%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human GSTA4
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-GSTA4 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:312500
Positive Control: Jurkat cell lysate



IHC (Immunohistochemistry)

Rabbit Anti-GSTA4 Antibody
Formalin Fixed Paraffin Embedded Tissue: Human heart
Tissue
Observed Staining: Cytoplasmic
Primary Antibody Concentration: N/A
Other Working Concentrations: 1:600
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-GSTA4 antibody	This is a rabbit polyclonal antibody against GSTA4. It was validated on Western Blot using a cell lysate as a positive control. Target Description: GSTA4 is 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.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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-GSTA4 antibody	Polyclonal; Drugs and Drug Metabolism; Membrane & Traffic; Disease Related

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504173
NCBI GeneID	2941
NCBI Accession #	NP_001503
NCBI GenBank Nucleotide #	NM_001512
UniProt Accession #	O15217
Molecular Weight	26kDa
NCBI Official Full Name	glutathione S-transferase A4
NCBI Official Synonym Full Names	glutathione S-transferase alpha 4
NCBI Official Symbol	GSTA4
NCBI Official Synonym Symbols	GTA4; GSTA4-4
NCBI Protein Information	glutathione S-transferase A4
UniProt Protein Name	Glutathione S-transferase A4
UniProt Gene Name	GSTA4
UniProt Entry Name	GSTA4_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/gsta4-antibody-immunohistochemistry-western-blot-elisa/199933>