

Rabbit GSTA3 Polyclonal Antibody | anti-GSTA3 antibody

GSTA3 Rabbit pAb

CATALOG # AAA281798	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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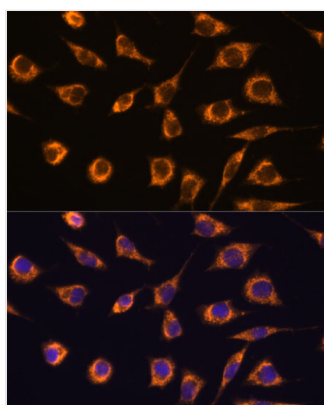
PRODUCT SYNONYMS

GSTA3; Polyclonal Antibody; GSTA3 Rabbit pAb; GSTA3-3; GTA3; anti-GSTA3 antibody

PRODUCT SPECIFICATIONS

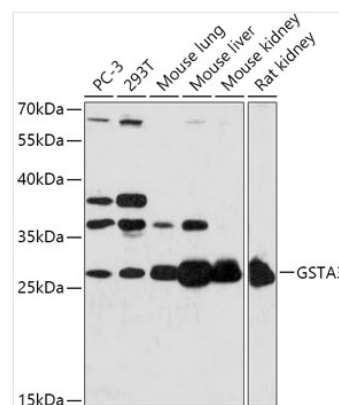
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	MAGKPKLHYF NGRGRMEPIR WLLAAAGVEF EEKFIGSAED LGKLRNDGSL MFQQVPMVEI DGMKLVQTRA ILNYIASKYN LYGKDIKERA LIDMYTEGMA DLNEMILLPL LCRPEEKDAK IALIKEKTKS RYFPAFEKVL QSHGQDYLVG NKLSRADISL VELLYYVEEL DSSLISNFPL LKALKTRISN LPTVKKFLQP GSPRKPPADA KALEEARKIF RF
Applicable Applications for anti-GSTA3 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-222 of human GSTA3 (NP_000838.3).
Positive Samples	PC-3, 293T, Mouse lung, Mouse liver, Mouse kidney, Rat kidney
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of L929 cells using GSTA3 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using GSTA3 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3min.

ADDITIONAL INFORMATION

Related Product Information for anti-GSTA3 antibody	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-transferase 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. The enzyme encoded by this gene catalyzes the double bond isomerization of precursors for progesterone and testosterone during the biosynthesis of steroid hormones. An additional transcript variant has been identified, but its full length sequence has not been determined. [provided by RefSeq, Jul 2008]
Product Categories/Family for anti-GSTA3 antibody	Endocrine & Metabolism; Drug metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	24430144
NCBI GeneID	2940
NCBI Accession #	NP_000838.3
NCBI GenBank Nucleotide #	NM_000847.4
UniProt Accession #	Q16772; O43468; Q068V6; Q8WWA8; Q9H415
Molecular Weight	25,302 Da
NCBI Official Full Name	glutathione S-transferase A3
NCBI Official Synonym Full Names	glutathione S-transferase alpha 3
NCBI Official Symbol	GSTA3
NCBI Official Synonym Symbols	GTA3; GSTA3-3
NCBI Protein Information	glutathione S-transferase A3; GST class-alpha member 3; glutathione S-transferase A3-3; glutathione S-aryltransferase A3; glutathione S-alkyltransferase A3; glutathione S-alkyltransferase A3; S-(hydroxyalkyl)glutathione lyase A3
UniProt Protein Name	Glutathione S-transferase A3
UniProt Gene Name	GSTA3
UniProt Entry Name	GSTA3_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.