Rabbit anti-Human GGT1 Polyclonal Antibody | anti-GGT1 antibody

Anti-GGT1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254220	**Rabbit**	**Human**	**Immunohistochemistry**

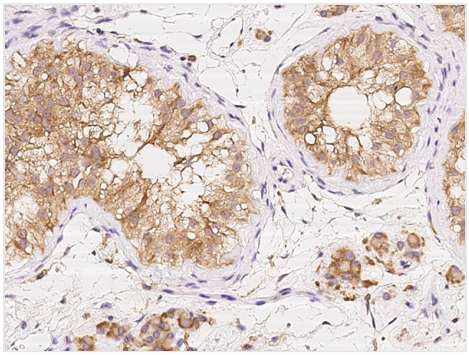
PRODUCT SYNONYMS

GGT1; Polyclonal Antibody; Anti-GGT1 Antibody; Rabbit Polyclonal; GGT1 Antibody; Rabbit PAb; Antigen Affinity Purified; gamma-glutamyltransferase 1; Anti-CD224 Antibody; Anti-D22S672 Antibody; Anti-D22S732 Antibody; Anti-GGT Antibody; Anti-GGT 1 Antibody; Anti-GTG Antibody; anti-GGT1 antibody

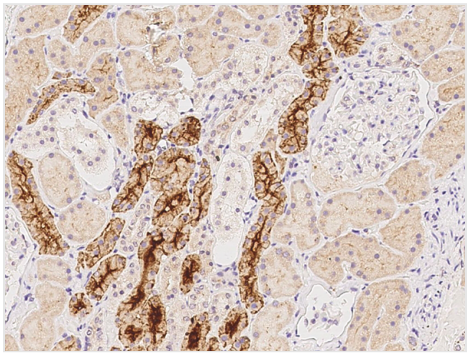
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human GGT1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-GGT1 antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human GGT1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human GGT1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Immunochemical staining of human GGT1 in human testis with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
Immunochemical staining of human GGT1 in human kidney with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-GGT1 antibody	GGT1 belongs to the gamma-glutamyltransferase protein family. Many members of this family have not yet been fully characterized and some of which may represent pseudogenes. GGT1 is composed of a heavy chain and a light chain. It catalyzes the transfer of the glutamyl moiety of glutathione to a variety of amino acids and dipeptide acceptors. GGT1 also initiates extracellular glutathione (GSH) breakdown, provides cells with a local cysteine supply and contributes to maintain intracelular GSH level. As part of the cell antioxidant defense mechanism, GGT1 can be detected in fetal and adult kidney and liver, adult pancreas, stomach, intestine, placenta and lung. Defects in GGT1 can cause glutathionuria which is known as an autosomal recessive disease.
References	Bulle F, et al. (1987) Assignment of the human gamma-glutamyl transferase gene to the long arm of chromosome 22. Hum Genet. 76(3):283-6.Tate SS, et al. (1988) Renal gamma-glutamyl transpeptidases: structural and immunological studies. Arch Biochem Biophys. 262(2):397-408.Tate SS, et al. (1988) In vitro translation and processing of human hepatoma cell (Hep G2) gamma-glutamyl transpeptidase. Biochem Biophys Res Commun. 154(3):1167-73.

NCBI AND UNIPROT INFORMATION

NCBI GI #	47678519
NCBI GeneID	2678
UniProt Accession #	P19440; Q08247; Q14404; Q8TBS1; Q9UMK1
Molecular Weight	61,410 Da
NCBI Official Full Name	GGT1
NCBI Official Synonym Full Names	gamma-glutamyltransferase 1
NCBI Official Symbol	GGT1
NCBI Official Synonym Symbols	GGT; GTG; CD224; GGT 1; D22S672; D22S732
NCBI Protein Information	gamma-glutamyltranspeptidase 1; glutamyl transpeptidase; glutathione hydrolase 1; leukotriene-C4 hydrolase; gamma-glutamyl transpeptidase
UniProt Protein Name	Gamma-glutamyltranspeptidase 1
UniProt Gene Name	**GGT1**
UniProt Synonym Gene Names	GGT; GGT 1
UniProt Entry Name	GGT1_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/ggt1-antibody-immunohistochemistry-elisa/254220