Rabbit anti-Human, Mouse AGXT / SPT Polyclonal Antibody | anti-AGXT antibody

Rabbit Polyclonal to Human AGXT / SPT

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52497	**Rabbit**	**Human, Mouse**	**Flow Cytometry, Functional Assay, Western Blot, Immunohistochemistry**

PRODUCT SYNONYMS

AGXT / SPT; Polyclonal Antibody; Rabbit Polyclonal to Human AGXT / SPT; Anti-AGXT / SPT Antibody (Internal) IHC-plus; AGXT1; AGT1; PH1; SPAT; TLH6; Human AGXT; SPT; anti-AGXT antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The AGXT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 96-125 amino acids from the Central region of human AGXT.
Purity/Purification	Protein A purified
Form/Format	PBS with 0.09% (w/v) sodium azide
Applicable Applications for anti-AGXT antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), IHC (Immunohistochemistry)
Target	AGXT / SPT
Host Note	AGXT / SPT antibody was produced in Rabbit
Immunogen Species	AGXT / SPT antibody was raised against Human
Epitope	aa96-125
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: **Tissue Preparation:** Formalin fixation and embedding in paraffin wax. **Tissue Sectioning:** Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. **Deparaffinization:** Wash dry slides in 3 changes of xylene - 5 minutes each @ RT **Rehydration:** Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT **Antigen retrieval:** Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT **Immunostaining:** (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT **Dehydrate:** (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage, store at -20°C.

IMAGES

WB (Western Blot)
Western blot of AGXT Antibody (Center) in HepG2 cell line lysates (35 ug/lane). AGXT (arrow) was detected using the purified Pab.(8 ug/ml

FCM/FACS (Flow Cytometry)
AGXT Antibody (Center) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

IHC (Immunohiostchemistry)
AGXT Antibody (Center) (RB18848) IHC analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the AGXT Antibody (Center) for immunohistochemistry.

IHC (Immunohistochemistry)
Anti-AGXT / SPT antibody IHC staining of human liver. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557289
NCBI GeneID	189
NCBI Accession #	NP_000021.1
NCBI GenBank Nucleotide #	NM_000030.2
UniProt Accession #	P21549; Q53QU6
NCBI Official Full Name	serine--pyruvate aminotransferase
NCBI Official Synonym Full Names	alanine-glyoxylate aminotransferase
NCBI Official Symbol	AGXT
NCBI Official Synonym Symbols	AGT; PH1; SPT; AGT1; SPAT; TLH6; AGXT1
NCBI Protein Information	serine--pyruvate aminotransferase; serine-pyruvate aminotransferase; serine:pyruvate aminotransferase; alanine--glyoxylate aminotransferase; L-alanine: glyoxylate aminotransferase 1; hepatic peroxisomal alanine:glyoxylate aminotransferase
UniProt Protein Name	Serine--pyruvate aminotransferase
UniProt Gene Name	**AGXT**
UniProt Synonym Gene Names	AGT1; SPAT; SPT; AGT
UniProt Entry Name	SPYA_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/agxt-spt-antibody-flow-cytometry-western-blot-immunohistochemistry-elisa/52497