

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

ASPG Antibody (Center)

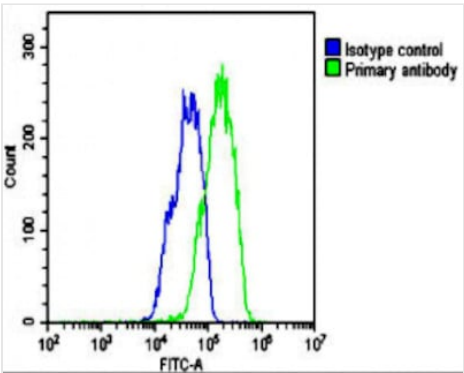
CATALOG # AAA288017	HOST Rabbit	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, ELISA, Western Blot
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PRODUCT SYNONYMS

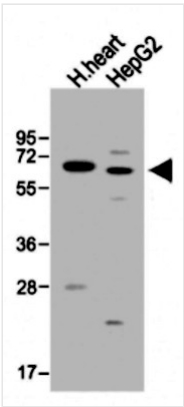
ASPG; Polyclonal Antibody; ASPG Antibody (Center); 60 kDa lysophospholipase; L-asparaginase; L-asparagine amidohydrolase; Platelet-activating factor acetylhydrolase; PAF acetylhydrolase; C14orf76; anti-ASPG antibody

PRODUCT SPECIFICATIONS

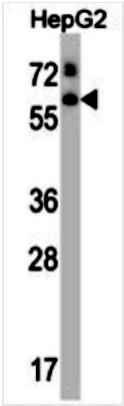
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ASPG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 165-193 amino acids from the Central region of human ASPG.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	165-193
Sequence Length	573
Applicable Applications for anti-ASPG antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Function	Exhibits lysophospholipase, transacylase, PAF acetylhydrolase and asparaginase activities (By similarity). Can catalyze three types of transacylation reactions: (1) acyl transfer from 1-acyl-sn-glycero- 3-phosphocholine (1-acyl-GPC) to the sn-1(3) positions of glycerol and 2-acylglycerol (sn-1 to -1(3) transfer), (2) acyl transfer from 1-acyl-GPC to the sn-2 positions of 1-acyl-GPC, 1-acyl-sn-glycero-3- phosphoethanolamine (1-acyl-GPE), and other lysophospholipids (sn-1 to -2 transfer) and (3) acyl transfer from 2-acyl-GPC to the sn-1 position of 2-acyl-GPC and 2-acyl-GPE (sn-2 to -1 transfer) (By similarity). Mediates the synthesis of 1-arachidonoyl species of phospholipids by transferring the arachidonoyl residue from 2-arachidonoyl lysophospholipid to the sn-1 position of 2-acyl lysophospholipid (By similarity).
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Overlay histogram showing HepG2 cells stained with AAA288017 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AAA288017, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed (1583138) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1ug/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.



WB (Western Blot)
All lanes : Anti-ASPG Antibody (Center) at 1:1000 dilution
Lane 1: Human heart lysate
Lane 2: HepG2 whole cell lysate
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 61 kDa
Blocking/Dilution buffer: 5% NFD/MTBST.



WB (Western Blot)
ASPG Antibody (Center) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the ASPG antibody detected the ASPG protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ASPG antibody	ASPG exhibits lysophospholipase, transacylase, PAF acetylhydrolase and asparaginase activities.
Product Categories/Family for anti-ASPG antibody	Metabolism; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	320461543
NCBI GeneID	374569
NCBI Accession #	NP_001073933.2
NCBI GenBank Nucleotide #	NM_001080464.2
UniProt Accession #	Q86U10; Q8IV80; B9EGQ2
NCBI Official Full Name	60 kDa lysophospholipase
NCBI Official Synonym Full Names	asparaginase

NCBI Official Symbol	ASPG
NCBI Official Synonym Symbols	GPA/WT; C14orf76
NCBI Protein Information	60 kDa lysophospholipase
UniProt Protein Name	60 kDa lysophospholipase
UniProt Gene Name	ASPG
UniProt Synonym Gene Names	C14orf76; PAF acetylhydrolase
UniProt Entry Name	LPP60_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/aspg-antibody-flow-cytometry-western-blot-elisa/288017>