

Rabbit anti-Human, mouse PISD Polyclonal Antibody | anti-PISD antibody

PISD Antibody (Center)

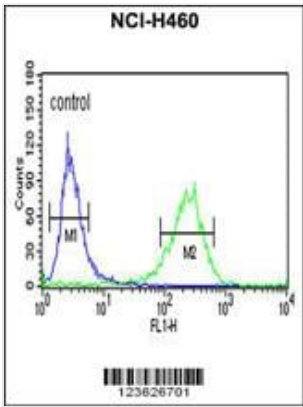
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289842	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

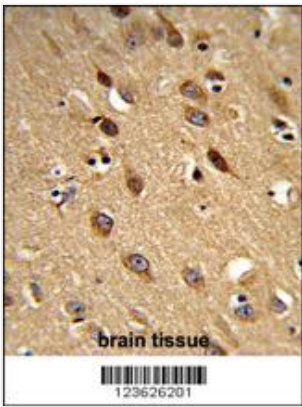
PISD; Polyclonal Antibody; PISD Antibody (Center); Phosphatidylserine decarboxylase proenzyme; Phosphatidylserine decarboxylase alpha chain; Phosphatidylserine decarboxylase beta chain; anti-PISD antibody

PRODUCT SPECIFICATIONS

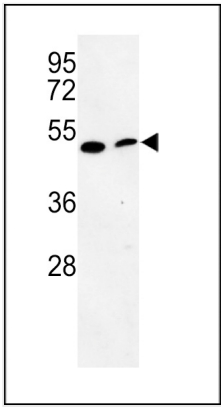
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PISD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 223-250 amino acids from the Central region of human PISD.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	223-250
Sequence Length	375
Applicable Applications for anti-PISD antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
P1S1 Antibody (Center) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human brain reacted with P1S1 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of P1S1 Antibody (Center) in mouse cerebellum tissue and mouse NIH-3T3 cell line lysates (35ug/lane). P1S1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-P1S1 antibody	Phosphatidylserine decarboxylases catalyze the formation of phosphatidylethanolamine (PE) by decarboxylation of phosphatidylserine (PS). Type I PSDs, such as P1S1, are targeted to the inner mitochondrial membrane by an N-terminal targeting sequence. P1S1 also contains a conserved LGST motif that functions as an autocatalytic cleavage site where the proenzyme is split into mature alpha and beta subunits
Product Categories/Family for anti-P1S1 antibody	Metabolism; Signal Transduction
References	Simpson, J.C., et.al., EMBO Rep. 1 (3), 287-292 (2000)

NCBI AND UNIPROT INFORMATION

NCBI GI #	13489112
NCBI GeneID	23761
NCBI Accession #	NP_055153.1
NCBI GenBank Nucleotide #	NM_014338.3
UniProt Accession #	Q9UG56; O43207; O95535; Q6IC28; Q96GQ2; Q9UGA9; B1AKM7
Molecular Weight	46672

NCBI Official Full Name	phosphatidylserine decarboxylase proenzyme
NCBI Official Synonym Full Names	phosphatidylserine decarboxylase
NCBI Official Symbol	PISD
NCBI Official Synonym Symbols	PSD; PSDC; PSSC; DJ858B16; dJ858B16.2
NCBI Protein Information	phosphatidylserine decarboxylase proenzyme
UniProt Protein Name	Phosphatidylserine decarboxylase proenzyme
UniProt Gene Name	PISD
UniProt Entry Name	PISD_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/pisd-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/289842>