PSPN Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PSPN, Polyclonal Antibody
Full Product Name	PSPN Antibody
Product Gene Name	anti-PSPN antibody
Product Synonym Names	PSP
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen affinity purification.
Specificity	The antibody detects endogenous levels of total PSPN protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	16,600 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (6375305..6375860, complement). Location: 19p13.3
OMIM	602921
3D Structure	ModBase 3D Structure for O60542
Immunogen	Synthetic peptide corresponding to a region derived from internal residues of human persephin
Product Categories/Family for anti-PSPN antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PSPN antibody	Immunohistochemistry (IHC)
Application Notes for anti-PSPN antibody	IHC: 1:25-1:100
Related Product Information for anti-PSPN antibody	The protein encoded by this gene is a neurotrophic factor, belonging to the GDNF family. Neurotrophic factors are important for the proper development and maintenance of the nervous system. These factors promote neuronal survival and can prevent the neuronal degeneration associated with injury, toxin exposure, or neurodegenerative disease. The encoded protein has amino acid similarity to its other family members, glial cell line-derived neurotrophic factor and neurturin. This gene product promotes the survival of ventral midbrain dopaminergic neurons in culture and prevents their degeneration after 6-hydroxydopamine treatment in vivo
Other Notes	Small volumes of anti-PSPN antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PSPN purchase	MBS8590382 is an antibody targeting PSPN. Also known as PSPN Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PSPN. It may not necessarily be applicable to this product.

NCBI GI #	2935710
NCBI GeneID	5623
NCBI Accession #	AAC39640.1
UniProt Primary Accession #	O60542
UniProt Related Accession #	O60542
NCBI Official Full Name	persephin
NCBI Official Synonym Full Names	persephin
NCBI Official Symbol	PSPN
NCBI Official Synonym Symbols	PSP
UniProt Protein Name	Persephin
Protein Family	Persephin
UniProt Gene Name	PSPN
UniProt Synonym Gene Names	PSP
UniProt Entry Name	PSPN_HUMAN
NCBI Protein Information	persephin
NCBI Summary for PSPN	The protein encoded by this gene is a neurotrophic factor, belonging to the GDNF family. Neurotrophic factors are important for the proper development and maintenance of the nervous system. These factors promote neuronal survival and can prevent the neuronal degeneration associated with injury, toxin exposure, or neurodegenerative disease. The encoded protein has amino acid similarity to its other family members, glial cell line-derived neurotrophic factor and neurturin. This gene product promotes the survival of ventral midbrain dopaminergic neurons in culture and prevents their degeneration after 6-hydroxydopamine treatment in vivo. [provided by RefSeq, Jul 2008]
UniProt Comments for PSPN	PSPN: Exhibits neurotrophic activity on mesencephalic dopaminergic and motor neurons. Belongs to the TGF-beta family. GDNF subfamily. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 19p13.3 Cellular Component: extracellular space Molecular Function: growth factor activity; receptor binding Biological Process: axon guidance; nervous system development; central nervous system development; ureteric bud branching
Research Articles on PSPN	**1.** Results identify persephin, a GDNF family member, as a novel ligand for GFRalpha1/RET receptor complex.
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