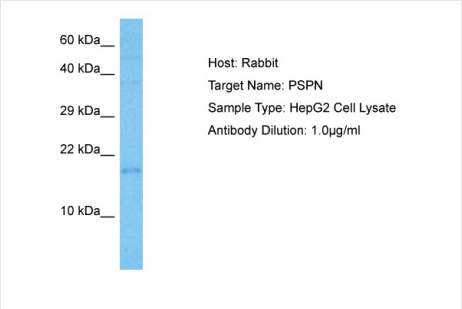
PSPN Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PSPN, Polyclonal Antibody
Full Product Name	PSPN Antibody - middle region
Product Gene Name	anti-PSPN antibody
Product Synonym Gene Name	PSP
Immunogen Sequence	Synthetic peptide located within the following region: ALSGPCQLWS LTLSVAELGL GYASEEKVIF RYCAGSCPRG ARTQHGLALA
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	PSPN peptide (MBS3247344) is used for blocking the activity of PSPN antibody (MBS3222677)
Molecular Weight	17 kDa
OMIM	602921
3D Structure	ModBase 3D Structure for O60542
Immunogen	The immunogen is a synthetic peptide directed towards the middle terminal region of human PSPN
Product Categories/Family for anti-PSPN antibody	Polyclonal; Developmental Biology; Apoptosis; Disease Related
Applications Tested/Suitable for anti-PSPN antibody	Western Blot (WB)
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	MBS3222677 is an antibody targeting PSPN. Also known as PSPN Antibody - middle region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-PSPN antibody
Host: RabbitTarget Name: PSPNSample Tissue: Human HepG2 Whole Cell lysatesAntibody Dilution: 1ug/ml

ADDITIONAL DETAILS

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

NCBI GI #	4758974
NCBI GeneID	5623
NCBI Accession #	NP_004149.1
UniProt Primary Accession #	O60542
UniProt Related Accession #	O60542
GenBank Nucleotide #	NM_004158.2
NCBI Official Full Name	persephin preproprotein
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	This gene encodes a secreted ligand of the GDNF (glial cell line-derived neurotrophic factor) subfamily and TGF-beta (transforming growth factor-beta) superfamily of proteins. The encoded preproprotein is proteolytically processed to generate the mature protein. This protein signals through the RET receptor tyrosine kinase and a GPI-linked coreceptor, and promotes survival of neuronal populations. This protein may play a role in cell death, and nervous system development and function. Elevated expression of this gene has been observed in oral squamous cell carcinoma. [provided by RefSeq, Aug 2016]

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 suggested that PSPN is a possible key regulator of oral squamous cell carcinoma (OSCC) progression via PSPN-RET-mitogen-activated protein kinase activation and that PSPN overexpression may have diagnostic potential for OSCC.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/pspn/3222677