Persephin (PSPN) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Persephin (PSPN), Polyclonal Antibody
Full Product Name	Persephin (PSPN) (APC)
Product Gene Name	anti-PSPN antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human Persephin (PSPN).
Preparation and Storage	Lyophilized powder may be stored at -20 degree C. Stable for 12 months after receipt at -20 degree C. Reconstitute with 100ul sterile ddH2O. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Reconstituted product is stable for 12 months at -20 degree C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.
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	Recombinant protein corresponding to human PSPN.
Conjugate	APC
Note	Preservative Free
Product Categories/Family for anti-PSPN antibody	Antibodies; Neurotrophins
Applications Tested/Suitable for anti-PSPN antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-PSPN antibody	WB: 0.1-0.2ug/ml ELISA: 0.5-2.0ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-PSPN antibody	MBS6444425 is an antibody targeting PSPN. Also known as Persephin (PSPN) (APC). Reactive in Human. Host: Rabbit.
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.

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.
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-pspn-human-antibody/persephin/6444425