

Human Persephin ELISA Kit | PSPN elisa kit

Human Persephin PicoKine ELISA Kit

CATALOG #
AAA46685

REACTIVITY
Human

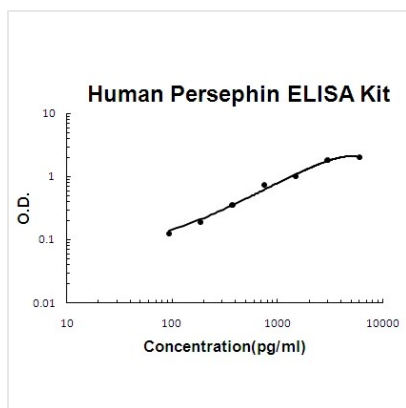
PRODUCT SYNONYMS

Persephin; Human Persephin PicoKine ELISA Kit; PSP; PSPN; O60542; PSPN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human Persephin
Sequence Length	156
Samples	Cell culture supernates, serum and plasma(heparin, EDTA).
Assay Type	Sandwich
Detection Range	93.7pg/ml-6000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice).

IMAGES



Standard Curve (Sample)

Human Persephin PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for PSPN elisa kit	Principle of the Assay: Human Persephin ELISA Kit was based on standard sandwich enzyme-linked immunosorbent assay technology. A monoclonal antibody from mouse specific for Persephin has been precoated onto 96-well plates. Standards(Expression system for standard: E.coli; Immunogen sequence: W22-G156) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Persephin is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human Persephin amount of sample captured in plate. Background/Introduction: Persephin, also known as PSPN, is a neurotrophic factor in the glial cell line-derived neurotrophic factor (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. This PSPN gene is mapped to chromosome 19p13.3. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4758974
NCBI GeneID	5623
NCBI Accession #	NP_004149.1
NCBI GenBank Nucleotide #	NM_004158.2
UniProt Accession #	O60542
Molecular Weight	16,600 Da
NCBI Official Full Name	persephin
NCBI Official Synonym Full Names	persephin
NCBI Official Symbol	PSPN
NCBI Official Synonym Symbols	PSP
NCBI Protein Information	persephin
UniProt Protein Name	Persephin
UniProt Gene Name	PSPN
UniProt Synonym Gene Names	PSP
UniProt Entry Name	PSPN_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/pspn-human-elisa-kits/persephin/46685>