

Rabbit anti-Rat, Bovine NPW/Neuropeptide W Polyclonal Antibody | anti-NPW antibody

NPW/Neuropeptide W Polyclonal Antibody

CATALOG # AAA291344	HOST Rabbit	REACTIVITY Rat, Bovine	APPLICATIONS Immunofluorescence
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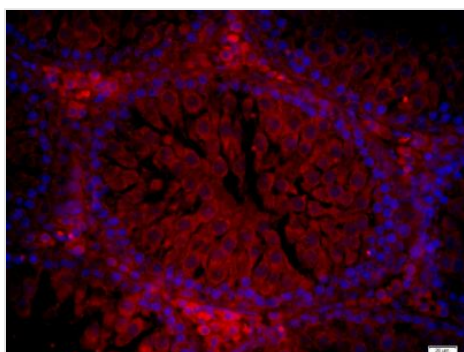
PRODUCT SYNONYMS

NPW/Neuropeptide W; Polyclonal Antibody; NPW/Neuropeptide W Polyclonal Antibody; Neuropeptide W; Preproprotein L8; hPPL8; Neuropeptide W-23; NPW23; hL8; Neuropeptide W-30; NPW30; hL8C; NPW; PPL8; PPNPW; anti-NPW antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat, Bovine
Clonality	Polyclonal
Form/Format	0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce
Applicable Applications for anti-NPW antibody	IF (Immunofluorescence)
Function	Plays a regulatory role in the organization of neuroendocrine signals accessing the anterior pituitary gland. Stimulates water drinking and food intake. May play a role in the hypothalamic response to stress (By similarity). NPW23 activates GPR7 and GPR8 more efficiently than NPW3
Tissue Location	Detected in cerebrospinal fluid and urine (at protein level) (PubMed:25326458, PubMed:36213313, PubMed:37453717) Detected at high levels in the substantia nigra, fetal kidney and trachea; at lower levels in testis, uterus, ovary and placenta. Not detectable in many regions of the central nervous system. Also detected at high levels in lymphoblastic leukemia and colorectal adenocarcinoma
Cellular Location	Secreted
Preparation and Storage	Store at -20°C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4°C.

IMAGES



IF (Immunofluorescence)

Paraformaldehyde-fixed, paraffin embedded (rat testis); Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37 degree C for 30min; Antibody incubation with (Neuropeptide W) Polyclonal Antibody, Unconjugated (bs-11531R) at 1:400 overnight at 4 degree C, followed by a conjugated secondary (bs-0295G-Cy3) at [1:500] for 90 minutes and DAPI staining of the nuclei.

NCBI AND UNIPROT INFORMATION

NCBI GI #	153281202
NCBI GeneID	283869
NCBI Accession #	NP_001092926.2
NCBI GenBank Nucleotide #	NM_001099456.2
UniProt Accession #	Q8N729
Molecular Weight	18048
NCBI Official Full Name	neuropeptide W preproprotein
NCBI Official Synonym Full Names	neuropeptide W
NCBI Official Symbol	NPW
NCBI Official Synonym Symbols	L8; L8C; PPL8; PPNPW
NCBI Protein Information	neuropeptide W; hPPL8; preproprotein L8; prepro-neuropeptide W
UniProt Protein Name	Neuropeptide W
UniProt Gene Name	NPW
UniProt Synonym Gene Names	PPL8; PPNPW; hPPL8; NPW23; hL8; NPW30; hL8C
UniProt Entry Name	NPW_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/npw-neuropeptide-w-antibody-immunofluorescence-elisa/291344>