

**PAA500Mu01**

**Polyclonal Antibody to Nestin (NES)**

**Organism Species: Mus musculus (Mouse)**

***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

## [ **PRODUCT INFORMATION** ]

**Immunogen:** NES, Mouse

**Clonality:** Polyclonal

**Host:** Rabbit

**Immunoglobulin Type:** IgG

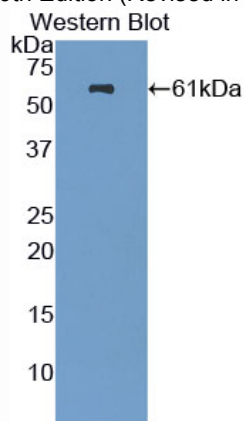
**Purification:** Affinity Chromatography.

**Applications:** WB, ICC, IHC-P, IHC-F, ELISA

**Concentration:** 200µg/mL

**UOM:** 100µg

9th Edition (Revised in Jul, 2013)



Sample: Recombinant NES, Mouse

## [ **IMMUNOGEN INFORMATION** ]

**Immunogen:** Recombinant NES (Arg197~Pro462) expressed in *E.coli*.

**Accession No.:** RPA500Mu01

**Sequence:** The target protein is fused with two N-terminal Tags, His-tag and GST-tag and its sequence is listed below.

MSPILGYWKI KGLVQPTRL LLEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID  
GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV  
DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK  
KRIEAIQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD GSTSGSGHHH HHHSAGLVPR  
GSTAIGMKET AAKFERQHM DSPDLGTLEV LFQGPLGS- RVAH MESSLGQARE  
RLGQAVRGAR ESRLEVQQLQ ADRDSLQERR EALEQRLEGR WQDRLQATEK  
FQLAVEALEQ EKQGLQSQIA QILEGGQQLA HLKMSLSLEV ATYRTLLEAE NSRLQTPGRS

SQASLGFPDP KLKLHFLGIP EDQHLGSVLP VLSPTSFSPP LPNTLETPVT AFLKTQEFLK  
ARTPTLASTP IPPMSEAPYP KNAEVRAQDV PHSLLQGGRQ QAPEPLWAEA TVPSSTGVLP  
ELEEPGGEQP DHFPDDPTSL AP

## **[ ANTIBODY SPECIFICITY ]**

The antibody is a rabbit polyclonal antibody raised against NES. It has been selected for its ability to recognize NES in immunohistochemical staining and western blotting.

## **[ APPLICATIONS ]**

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

## **[ CONTENTS ]**

**Form & Buffer:** Supplied as solution form in PBS, pH7.4, containing 0.02% NaN<sub>3</sub>, 50% glycerol.

## **[ QUALITY CONTROL ]**

**Content:** The quality control contains recombinant NES (Arg197~Pro462) disposed in loading buffer.

**Usage:** 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate.  
5uL per well when used in enhanced chemiluminescent (ECL).

**Note:** The quality control is specifically manufactured as the positive control. Not used for other purposes.

**Loading Buffer:** 100mM Tris(pH8.8), 2% SDS, 200mM NaCl, 50% glycerol, BPB 0.01%, NaN<sub>3</sub> 0.02%.

## **[ STORAGE ]**

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.