

**pA92130Ra01**

**Polyclonal Antibody to Noggin (NOG)**

**Organism: Rattus norvegicus (Rat)**

***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY  
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

7th Edition (Revised in May, 2013)

## **[ PRODUCT INFORMATION ]**

**Immunogen:** NOG, Rat

**Clonality:** Polyclonal

**Host:** Rabbit

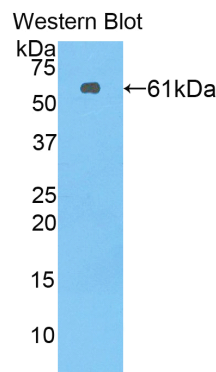
**Immunoglobulin Type:** IgG

**Purification:** Affinity Chromatography.

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

**Concentration:** 200µg/mL

**UOM:** 100µg



*Sample: Recombinant NOG, Rat*

## **[ IMMUNOGEN INFORMATION ]**

**Immunogen:** Recombinant NOG (Met28~Cys144) expressed in *E. coli*.

**USCN Accession No.:** rP92130Ra01

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

MKIEEGKLV I WINGDKGYNG LAEVGKKFEK DTGIKVTVEH PDKLEEKFPQ VAATGDGPD I  
IFWAHDRFGG YAQSGLLAEI TPKAFQDKL YPFTWDAVRY NGKLIAYPIA VEALS LIYNK  
DLLPNPPKTW EEIPALDKEL KAKGKSALMF NLQEPYFTWP LIAADGGYAF KYENKDYDIK  
DVGVDNAGAK AGLTFLVDLI KNKHMNADTD YSIAEAAFNK GETAMTINGP WAWSNIDTSK  
VNYGVTVLPT FKGQPSKPFV GVLSAGINAA SPNKELAKEF LENYLLTDEG LEAVNKDKPL  
GAVALKSYEE ELAKDPRIAA TMENAQKGEI MPNIPQMSAF WYAVRTAVIN AASGRQTVDE  
ALKDAQTGST SGSGHHHHHH SAGLVPRGST AIGMKETAAA KFERQHMDSP DLGTLVFLFQ

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GPLGSEF-MPS EIKGLEFSEG LAQGKKQRLS KKLRRKLQMW LWSQTFCPVL  
YAWNDLGSRF WARYVKVWSC FSKRSCSVPE GMVCKPSKSV HLTVLRWRCQ  
RRGGQRCGWI PIQYPIISEC KCSC

## **[ ANTIBODY SPECIFICITY ]**

The antibody is a rabbit polyclonal antibody raised against NOG. It has been selected for its ability to recognize NOG 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 NOG (Met28~Cys144) 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.

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