

PAD046Ra01

Polyclonal Antibody to Natriuretic Peptide Receptor 3 (NPR3)

Organism Species: Rattus norvegicus (Rat)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

[**PRODUCT INFORMATION**]

Immunogen: NPR3, Rat

Clonality: Polyclonal

Host: Rabbit

Immunoglobulin Type: IgG

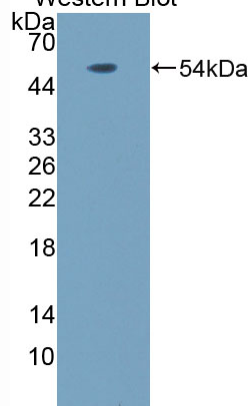
Purification: Affinity Chromatography.

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

Concentration: 200µg/mL

UOM: 100µg

9th Edition (Revised in Jul, 2013)
Western Blot



Sample: Recombinant NPR3, Rat

[**IMMUNOGEN INFORMATION**]

Immunogen: Recombinant NPR3 (Ala45~Pro467) linked with SNHKSSVDKL AAALHHHHHH and expressed in *E.coli*.

Accession No.: RPD046Ra01

Sequence: The target protein is fused with two N-terminal Tags, His-tag and T7-tag and its sequence is listed below.

MGSSHHHHHH SSGLVPRGSH MASMTGGQQM GRGS- AQKIEV LVLLPRDDSY
LFSLARVRPA IEYALRSVEG NGTGRKLLPP GTRFQVAYED SDCGNRALFS LVDRVAAARG
AKPDLILGPV CEYAAAPVAR LASHWDLPLM SAGALAAGFQ HKDTEYSHLT RVAPAYAKMG
EMMLALFRHH HWSRAALLY DDKLERNCYF TLEGVHEVFQ EEGLHTSAYN FDETKDLDDL
DIVRYIQGSE RRVIMCASGD TIRRIMLAVH RHGMTSGDYA FFNIELFNSS SYGDGSGWKRG
DKHDFEAKQA YSSLQTVTLL RTAKPEFEKF SMEVKSSVEK QGLNEEDYVN MFVEGFHDAI

LLYVLALHEV LRAGYSKKDG GKIIQQTWNR TFEGIAGQVS IDANGDRYGD FSVVAMTDTE
AGTQEVIQDY FGKEGRFKMR SNVKYPWGSL KLRIDETRIV EHTNSSP
SNHKSSVDKLAAALEHHHHHH

[ANTIBODY SPECIFICITY]

The antibody is a rabbit polyclonal antibody raised against NPR3. It has been selected for its ability to recognize NPR3 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% NaN₃, 50% glycerol.

[QUALITY CONTROL]

Content: The quality control contains recombinant NPR3 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%, NaN₃ 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.