PAC108Ra01
Polyclonal Antibody to Growth Differentiation Factor 1 (GDF1)
Organism: Rattus norvegicus (Rat)
Instruction manual

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

8th Edition (Revised in Jun, 2013)

[PRODUCT INFORMATION]

Immunogen: GDF1, Rat

Clonality: Polyclonal

Host: Rabbit

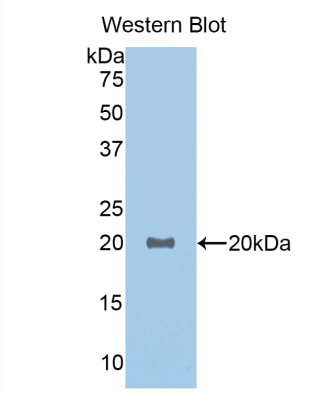
Immunoglobulin Type: IgG

Purification: Affinity Chromatography.

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

Concentration: 200μg/mL

UOM: 100μg



Sample: Recombinant GDF1, Rat

[IMMUNOGEN INFORMATION]

Immunogen: Recombinant GDF1 (Leu183~Arg357) expressed in *E.coli*.

USCN Accession No.: RPC108Ra01

Sequence: The target protein is fused with N-terminal His-Tag and its sequence is listed below.

MGHHHHHHSG SEF-LGTAVAA NASVPRTLRL ALALHPGAAA TCGRLAEASL LLVTLDPRLC PLPRSRRHTE PRVGGGPVGT CRTRRLHVSF REVGWHRWVI APRGFLANFC QGTCALPETL RGPGGPPALN HAVLRALMHA AAPTPGVGSP CCVPERLSPI SVLFFDNSDN VVLRHYEDMV VDECGCR

[ANTIBODY SPECIFITY]

The antibody is a rabbit polyclonal antibody raised against GDF1. It has been selected for its ability to recognize GDF1 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_3, 50% glycerol.

[QUALITY CONTROL]

Content: The quality control contains recombinant GDF1 (Leu183~Arg357) disposed in loading buffer.

Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate.
5uL per well when used in enhanced chemilumescent (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_3 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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