PAC945Bo01
Polyclonal Antibody to Melatonin Receptor 1A (MTNR1A)
Organism Species: Bos taurus; Bovine (Cattle)
Instruction manual

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

9th Edition (Revised in Jul, 2013)

[PRODUCT INFORMATION]

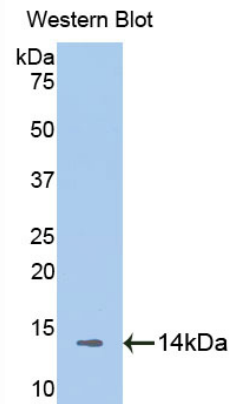**Immunogen:** MTNR1A, Bovine

Clonality: Polyclonal

Host: Rabbit

Immunoglobulin Type: IgG

Purification: Affinity Chromatography.

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

Concentration: 200µg/mL

UOM: 100µg

Western Blot

kDa
75
50
37
25
20
15 ←14kDa
10

Sample: Recombinant MTNR1A, Bovine

[IMMUNOGEN INFORMATION]

Immunogen: Recombinant MTNR1A (Gly216~Pro257) expressed in *E.coli*.

USCN Accession No.: RPC945Bo01

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

MHHHHHHSSG LVPRGSGMKE TAAAKFERQH MDSPDLGTDD DDKAMADIGS EF- GLLNQ
NFRQEYRKII VSLCTTKMFF VDSSNHVAHR IKRKPSP

[ANTIBODY SPECIFITY]

The antibody is a rabbit polyclonal antibody raised against MTNR1A. It has been selected for its ability to recognize MTNR1A 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 MTNR1A (Gly216~Pro257) 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 4ºC for frequent use. Stored at -20ºC to -80ºC in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.