MAC945Hu21

Monoclonal Antibody to Melatonin Receptor 1A (MTNR1A)

Organism Species: Homo sapiens (Human)

Instruction manual

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

11th Edition (Revised in May, 2016)

[PROPERTIES]

Source: Monoclonal antibody preparation
Host: Mouse
Antibody isotype: IgG2a Kappa
Purification: Protein A/G Affinity Chromatography.
Clone number: 1#
Traits: Liquid
Concentration: 500μg/mL
UOM: 200μg
Applications: WB; ICC; IHC-P; IHC-F; ELISA; IP; IF; FCM.

[IMMUNOGEN]

Immunogen: RPC945Hu01-Recombinant Melatonin Receptor 1A (MTNR1A)

[APPLICATIONS]

Western blotting: 0.5-5ug/ml
Immunocytochemistry in formalin fixed cells: 5-30ug/ml
Immunohistochemistry in formalin fixed frozen section: 5-30ug/ml
Immunohistochemistry in paraffin section: 5-30ug/ml
Enzyme-linked Immunosorbent Assay: 0.05-2ug/ml
Optimal working dilutions must be determined by end user.

[FORMULATION]

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 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(pH6.8), 1% SDS, 150mM NaCl, 50% glycerol, 0.02% BPB, 50mM DTT and 0.02% NaN_3.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 4°C for frequent use.

Aliquot and store at -20°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed.The loss rate is less than 5% within the expiration date under appropriate storage condition.

[IDENTIFICATION]

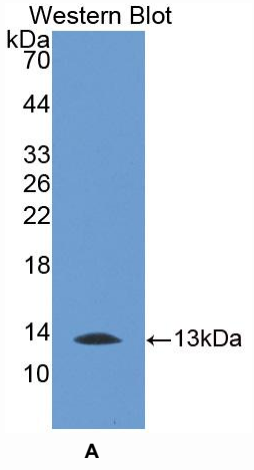

Figure 1. Western Blot

A. Sample: Recombinant MTNR1A, Human