

Datasheet for ABIN2788825

anti-Melatonin Receptor 1A antibody (C-Term)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	Melatonin Receptor 1A (MTNR1A)
Binding Specificity:	C-Term
Reactivity:	Human, Cow, Goat, Dog, Sheep, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Melatonin Receptor 1A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	GLLNQNFRKE YRRIIVSLCT ARVFFVDSSN DVADRVKWKP SPLMTNNNVV
Predicted Reactivity:	Cow: 79%, Dog: 91%, Goat: 79%, Guinea Pig: 82%, Horse: 83%, Human: 100%, Rabbit: 83%, Sheep: 79%
Characteristics:	This is a rabbit polyclonal antibody against MTNR1A. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Melatonin Receptor 1A (MTNR1A)
Alternative Name:	MTNR1A (MTNR1A Products)
Background:	This gene encodes one of two high affinity forms of a receptor for melatonin, the primary

Target Details

hormone secreted by the pineal gland. This receptor is a G-protein coupled, 7-transmembrane receptor that is responsible for melatonin effects on mammalian circadian rhythm and reproductive alterations affected by day length. The receptor is an integral membrane protein that is readily detectable and localized to two specific regions of the brain. The hypothalamic suprachiasmatic nucleus appears to be involved in circadian rhythm while the hypophyseal pars tuberalis may be responsible for the reproductive effects of melatonin.

Alias Symbols: MEL-1A-R, MT1

Protein Interaction Partner: VAPB, IRS4, RAP1A, RAC1, HSPA5, GNB1, GNAI3, GNAI2, GNAI1, GNB4, LRRC59, TMEM33, HNRNPA0, RAB10, PGRMC1, PDIA6, FLNA, EEF1G, CNP, CANX, CALR, GPR50, GNA13, DPM1, MTNR1B, MTNR1A, GNA11,

Protein Size: 350

Molecular Weight: 39 kDa

Gene ID: 4543

NCBI Accession: [NM_005958](#), [NP_005949](#)

UniProt: [P48039](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 350 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

