9F, No. 108, Jhouzih St.,Taipei, Taiwan
Tel: + 886-2-8751-1888 Fax: + 886-2-6602-1218
E-mail: sales@abnova.com

Datasheet

MTNR1A polyclonal antibody (A01)

Catalog Number: H00004543-A01

Regulation Status: For research use only (RUO)

Product Description: Mouse polyclonal antibody raised against a partial recombinant MTNR1A.

Immunogen: MTNR1A (NP_005949, 296 a.a. ~ 350 a.a) partial recombinant protein with GST tag.

Sequence:
GLLNQNFRKEYRRIIVSLCTARVFFVDSSNDVADRVKW KPSPLMTNNNVVKVDSV

Host: Mouse

Reactivity: Human

Applications: ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Storage Buffer: 50 % glycerol

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4543

Gene Symbol: MTNR1A

Gene Alias: MEL-1A-R, MT1

Gene Summary: This gene encodes one of two high affinity forms of a receptor for melatonin, the primary 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 hypophysial pars tuberalis may be responsible for the reproductive effects of melatonin. [provided by RefSeq]

References:

1. Identification and immunolocalisation of melatonin MT1 and MT2 receptors in Rasa Aragonesa ram spermatozoa. Casao A, Gallego M, Abecia JA, Forcada F, Perez-Pe R, Muino-Blanco T, Cebrian-Perez JA. Reprod. Fertil. Dev. http://dx.doi.org/10.1071/RD11242
2. Expression and cellular localizaion of melatonin-synthesizing enzymes in rat and human salivary glands. Shimozuma M, Tokuyama R, Tatehara S, Umeki H, Ide S, Mishima K, Saito I, Satomura K. Histochem Cell Biol. 2011 Apr;135(4):389-96. Epub 2011 Mar 10.