

Product Name: Melatonin Receptor 1A Rabbit Polyclonal Antibody
Catalog #: APRab00432

Summary

Production Name	Melatonin Receptor 1A Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	ICC/IF,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Immunogen

Gene Name	MTNR1A
Alternative Names	MTNR1A; Melatonin receptor type 1A; Mel-1A-R; Mel1a receptor
Gene ID	4543
SwissProt ID	P48039.

Application

Dilution Ratio	IF: 1:50-1:200 ELISA: 1:10000
Molecular Weight	-

Background

This gene encodes one of two high affinity forms of a receptor for melatonin, the primary hormone secreted by the pineal

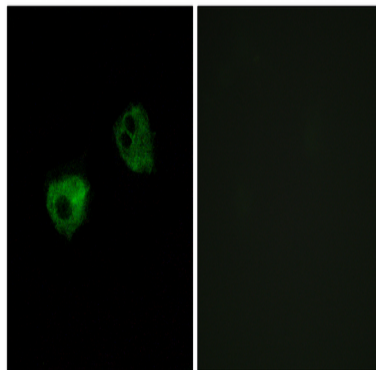
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gland. This receptor is a G-protein coupled, 7-transmembrane receptor that is responsible for melatonin effects on mammalian circadian rhythm and reproductive alterations affected by day length. The receptor is an integral membrane protein that is 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.

Research Area

Neuroscience

Image Data



Immunofluorescence analysis of Melatonin Receptor 1A in HepG2 cells using Melatonin Receptor 1A antibody. Sample with blocking peptide on the right.

Note

For research use only.