

ARG57589 anti-MTNR1A antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MTNR1A
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MTNR1A
Species	Human
Immunogen	Recombinant protein of Human MTNR1A.
Conjugation	Un-conjugated
Alternate Names	MEL-1A-R; Mel-1A-R; MT1; Melatonin receptor type 1A; Mel1a receptor

Application Instructions

Application table	Application	Dilution
	IHC-P	1:100 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse small intestine	
Observed Size	39 kDa	

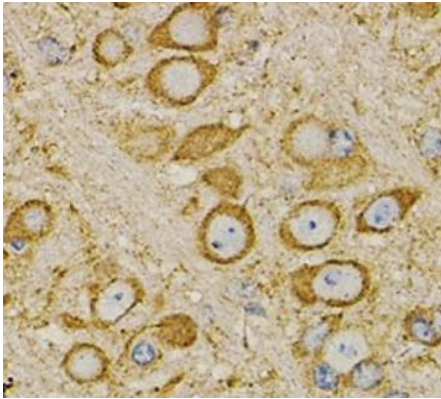
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide, 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

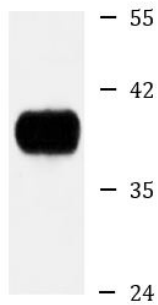
Gene Symbol	MTNR1A
Gene Full Name	melatonin receptor 1A
Background	This gene encodes one of two high affinity forms of a receptor for melatonin, the primary hormone secreted by the pineal gland. This receptor is a G-protein coupled, 7-transmembrane receptor that is responsible for melatonin effects on 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, Jul 2008]
Function	High affinity receptor for melatonin. Likely to mediate the reproductive and circadian actions of melatonin. The activity of this receptor is mediated by pertussis toxin sensitive G proteins that inhibit adenylate cyclase activity. [UniProt]
Calculated Mw	39 kDa

Images



ARG57589 anti-MTNR1A antibody IHC-P image

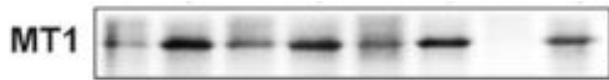
Immunohistochemistry: Paraffin-embedded Mouse brain tissue stained with ARG57589 anti-MTNR1A antibody at 1:100 dilution.



Mouse small intestine

ARG57589 anti-MTNR1A antibody WB image

Western blot: 25 µg of Mouse small intestine lysate stained with ARG57589 anti-MTNR1A antibody at 1:3000 dilution.



ARG57589 anti-MTNR1A antibody WB image

Western blot: Rat placental stained with ARG57589 anti-MTNR1A antibody at 1:1000 dilution, [ARG65351 Goat anti-Rabbit IgG antibody \(HRP\)](#) at 1:5000 dilution.

From Jinzhi Li et al. J Reprod Immunol. (2023), [doi: 10.1016/j.jri.2023.104166](#), Fig. 2.B.
