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Datasheet for ABIN2789720

anti-Melatonin Receptor 1B antibody (N-Term)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	Melatonin Receptor 1B (MTNR1B)
Binding Specificity:	N-Term
Reactivity:	Human, Rabbit, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Melatonin Receptor 1B antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	SFANCCEAGG WAVRPGWSGA GSARPSRTPR PPWVAPALSA VLIVTTAVDV
Predicted Reactivity:	Human: 100%, Pig: 79%, Rabbit: 79%
Characteristics:	This is a rabbit polyclonal antibody against MTNR1B. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Melatonin Receptor 1B (MTNR1B)
Alternative Name:	MTNR1B (MTNR1B Products)
Background:	This gene encodes one of two high affinity forms of a receptor for melatonin, the primary hormone secreted by the pineal gland. This gene product is an integral membrane protein that

Target Details

is a G-protein coupled, 7-transmembrane receptor. It is found primarily in the retina and brain although this detection requires RT-PCR. It is thought to participate in light-dependent functions in the retina and may be involved in the neurobiological effects of melatonin.

Alias Symbols: FGQTL2, MEL-1B-R, MT2

Protein Interaction Partner: GNAI1, GPR50, ITM2C, HNRNPA0, GNB4, PPM1G, PI4KA, PDIA6, VPS35, IRS4, COPA, CTNND1, MTNR1B, MTNR1A, FLNA, YWHAQ, GNB1, GNAI3, GNAI2, HSPA5, CANX,

Protein Size: 362

Molecular Weight: 40 kDa

Gene ID: 4544

NCBI Accession: [NM_005959](#), [NP_005950](#)

UniProt: [P49286](#)

Application Details

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

Comment: Antigen size: 362 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.

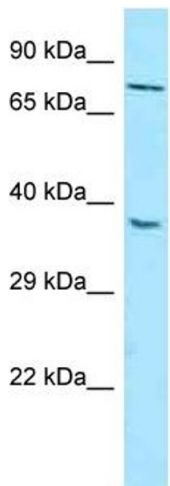
Storage: -20 °C

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.

Publications

Product cited in: Santoro, Mori, Marani, Grasso, Cambria, Blandino, Muti, Strano: "Blockage of melatonin receptors impairs p53-mediated prevention of DNA damage accumulation." in: **Carcinogenesis**, Vol. 34, Issue 5, pp. 1051-61, (2013) ([PubMed](#)).

Images



Rabbit Anti-MTNR1B Antibody
Catalog Number: ARP64072
Lot Number: QC34795
Lane: HepG2 Cell Lysate

Antibody Titration: 1.0 µg/ml
Gel Concentration: 12%

Western Blotting

Image 1.