

## Rabbit MTNR1A Polyclonal Antibody | anti-MTNR1A antibody

MTNR1A antibody - C-terminal region

| CATALOG # | HOST   | REACTIVITY                                              | APPLICATIONS |
|-----------|--------|---------------------------------------------------------|--------------|
| AAA201098 | Rabbit | Cow, Dog, Goat, Guinea Pig, Horse, Human, Rabbit, Sheep | Western Blot |

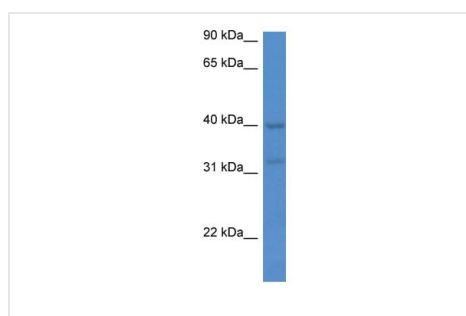
### PRODUCT SYNONYMS

MTNR1A; Polyclonal Antibody; MTNR1A antibody - C-terminal region; anti-MTNR1A antibody

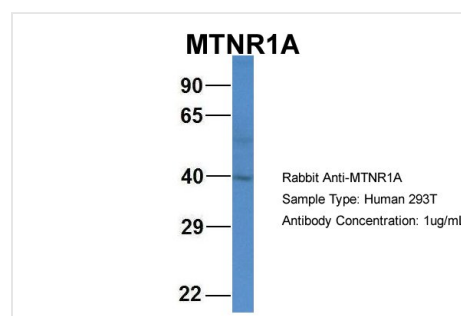
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                       |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                |
| Reactivity                                       | Cow, Dog, Goat, Guinea Pig, Horse, Human, Rabbit, Sheep                                                                                               |
| Clonality                                        | Polyclonal                                                                                                                                            |
| Purity/Purification                              | Affinity Purified                                                                                                                                     |
| Form/Format                                      | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                         | Synthetic peptide with the following region: GL LNQNFRKEYR RIIVSLCTAR VFFVDSSNDV ADRVKWKPSP LMTNNNVV                                                  |
| Sequence Length                                  | 350                                                                                                                                                   |
| Applicable Applications for anti-MTNR1A antibody | WB (Western Blot)                                                                                                                                     |
| Homology                                         | Cow: 79%; Dog: 91%; Goat: 79%; Guinea Pig: 82%; Horse: 83%; Human: 100%; Rabbit: 83%; Sheep: 79%                                                      |
| Preparation and Storage                          | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES


**WB (Western Blot)**

WB Suggested Anti-MTNR1A Antibody Titration: 1.0 ug/ml Positive Control: Jurkat Whole Cell


**WB (Western Blot)**

Host: Rabbit Target Name: HIRIP3 Sample Type: 293T Antibody Dilution: 1.0ug/ml

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MTNR1A antibody | <p>This is a rabbit polyclonal antibody against MTNR1A. It was validated on Western Blot</p> <p>Target Description: 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 hypophyseal pars tuberalis may be responsible for the reproductive effects of melatonin.</p> |
| Product Categories/Family for anti-MTNR1A antibody   | Polyclonal; Various; GPCR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

NCBI AND UNIPROT INFORMATION

|                                  |                            |
|----------------------------------|----------------------------|
| NCBI GI #                        | 5174593                    |
| NCBI GeneID                      | 4543                       |
| NCBI Accession #                 | NP_005949                  |
| NCBI GenBank Nucleotide #        | NM_005958                  |
| UniProt Accession #              | P48039                     |
| Molecular Weight                 | 39kDa                      |
| NCBI Official Full Name          | melatonin receptor type 1A |
| NCBI Official Synonym Full Names | melatonin receptor 1A      |
| NCBI Official Symbol             | MTNR1A                     |
| NCBI Official Synonym Symbols    | MT1; MEL-1A-R              |
| NCBI Protein Information         | melatonin receptor type 1A |
| UniProt Protein Name             | Melatonin receptor type 1A |
| UniProt Gene Name                | MTNR1A                     |
| UniProt Synonym Gene Names       | Mel-1A-R                   |
| UniProt Entry Name               | MTR1A_HUMAN                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.