



Datasheet for ABIN730318

## anti-Melatonin Receptor 1B antibody (AA 201-300)



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### Overview

Quantity:	100 µL
Target:	Melatonin Receptor 1B (MTNR1B)
Binding Specificity:	AA 201-300
Reactivity:	Human, Mouse, Rat, Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Melatonin Receptor 1B antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MTNR1B
Isotype:	IgG
Cross-Reactivity:	Goat, Human, Mouse, Rat
Predicted Reactivity:	Dog
Purification:	Purified by Protein A.

### Target Details

Target:	Melatonin Receptor 1B (MTNR1B)
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## Target Details

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Alternative Name:	MTNR1B ( <a href="#">MTNR1B Products</a> )
Background:	Synonyms: MT2, FGQTL2, MEL-1B-R, Melatonin receptor type 1B, Mel1b receptor, MTNR1B Background: 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.
Gene ID:	4544
UniProt:	<a href="#">P49286</a>

## Application Details

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Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

## Publications

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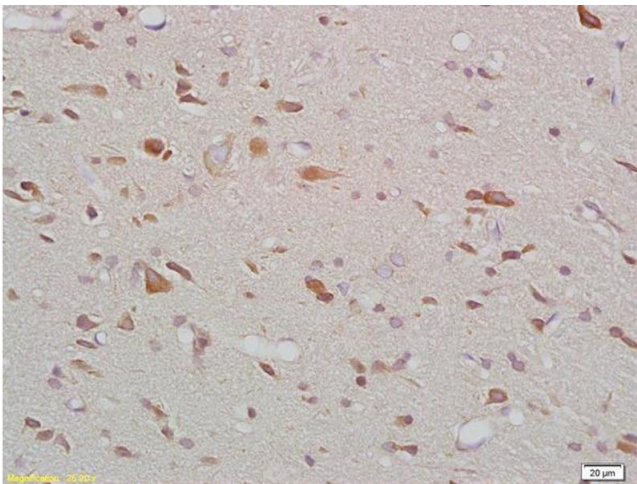
Product cited in: Jang, Na, Hong, Lee, Moon, Cho, Park, Lee, Chang, Lee, Ko, Lee, Choi: "Synergistic effect of

melatonin and ghrelin in preventing cisplatin-induced ovarian damage via regulation of FOXO3a phosphorylation and binding to the p27Kip1 promoter in primordial follicles." in: **Journal of pineal research**, Vol. 63, Issue 3, (2017) ([PubMed](#)).

Brockus, Hart, Gilfeather, Fleming, Lemley: "Dietary melatonin alters uterine artery hemodynamics in pregnant Holstein heifers." in: **Domestic animal endocrinology**, Vol. 55, pp. 1-10, (2016) ([PubMed](#)).

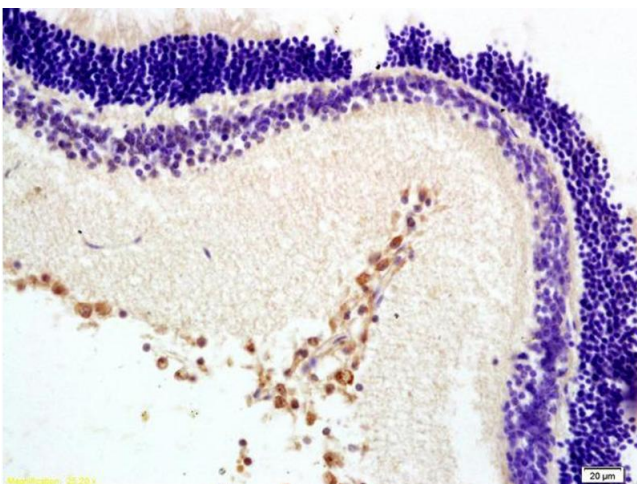
Wang, Liu, Wu, Ma, Ahmad, Liu, Han, Jiang, Zhang, Yang: "Melatonin suppresses apoptosis and stimulates progesterone production by bovine granulosa cells via its receptors (MT1 and MT2)." in: **Theriogenology**, Vol. 78, Issue 7, pp. 1517-26, (2012) ([PubMed](#)).

Images



Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded rat brain labeled with Anti-MTNR1B Polyclonal Antibody, Unconjugated (ABIN730318) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin embedded rat retina labeled with Anti-MTNR1B Polyclonal Antibody, Unconjugated (ABIN730318) at 1:200 followed by conjugation to the secondary antibody and DAB staining.