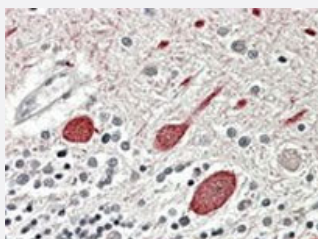


MTNR1B polyclonal antibody

Catalog # PAB15648

Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

MTNR1B polyclonal antibody (Cat # PAB15648) (3.8 ug/mL) staining of paraffin embedded human cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of MTNR1B.
Immunogen	A synthetic peptide corresponding to C-terminus of human MTNR1B.
Sequence	C-QDASKGSHAEG LQSP
Host	Goat
Theoretical MW (kDa)	40.2
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:32000) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (3-6 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

MTNR1B polyclonal antibody (Cat # PAB15648) (3.8 ug/mL) staining of paraffin embedded human cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — MTNR1B

Entrez GeneID[4544](#)**Protein Accession#**[NP_005950.1](#)**Gene Name**

MTNR1B

Gene Alias

MEL-1B-R, MT2

Gene Description

melatonin receptor 1B

Omim ID[600804](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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 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. [provided by RefSeq]

Other Designations

melatonin receptor MEL1B|melatonin receptor type 1B

Publication Reference

- [Melatonin suppresses nighttime memory formation in zebrafish.](#)

Rawashdeh O, de Borsetti NH, Roman G, Cahill GM.

Science 2007 Nov; 318(5853):1144.

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Arthritis](#)
- [Autistic Disorder](#)
- [Birth Weight](#)
- [Cardiovascular Diseases](#)
- [Child Development Disorders](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [HIV Infections](#)
- [Hyperglycemia](#)
- [Hypertension](#)
- [Insulin Resistance](#)
- [Obesity](#)
- [Polycystic Ovary Syndrome](#)
- [Scoliosis](#)
- [Sleep](#)