

Anti-MTNR1B Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat)
Molecular Weight:	Theoretical: 40 kDa. Actual: 38 kDa.
Purification:	Protein A purified

Applications

Sample:	Lane 1: Cerebrum (Mouse) Lysate at 40 µg Lane 2: Cerebellum (Mouse) Lysate at 40 µg
Verified Activity:	Primary: Anti-MTNR1B (TMAB-09078) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 40 kD Observed band size: 38 kD
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human MTNR1B
Antigen Species:	Human
Gene ID:	4544
Uniprot ID:	P49286

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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