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Anti-Melatonin Receptor 1a Antibody

Catalog # AP60190

Product Information

Application	WB
Primary Accession	P48039
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39375

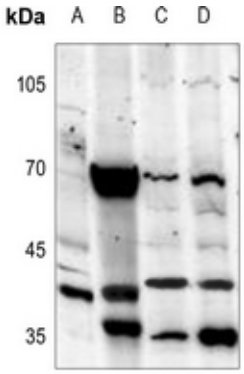
Additional Information

Gene ID	4543
Other Names	Melatonin receptor type 1A; Mel-1A-R; Mel1a receptor
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Melatonin Receptor 1a. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	MTNR1A
Function	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. Possibly involved in sleep induction, by melatonin activation of the potassium channel KCNMA1/BK and the dissociation of G-beta and G-gamma subunits, thereby decreasing synaptic transmission (By similarity).
Cellular Location	Cell membrane; Multi-pass membrane protein.
Tissue Location	Expressed in hypophyseal pars tuberalis and hypothalamic suprachiasmatic nuclei (SCN). Hippocampus

Images



Western blot analysis of Melatonin Receptor 1a expression in mouse brain (A), rat kidney (B), HEK293T (C), HCT116 (D) whole cell lysates. (Predicted band size: 39 kD; Observed band size: 39 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.