

Polyclonal Antibody to Melatonin Receptor 1A (MTNR1A)

Melatonin Receptor 1A

Catalog # AP74652

Product Information

Application	WB
Primary Accession	P48040
Reactivity	Goat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40401

Additional Information

Gene ID	443022
Other Names	MT1; MEL-1A-R
Target/Specificity	Capra hircus; Caprine (Goat)
Dilution	WB~~Western blotting: 0.5-2ug/ml Immunocytochemistry in formalin fixed cells: 5-20ug/ml Immunohistochemistry in formalin fixed frozen section: 5-20ug/ml Immunohistochemistry in paraffin section: 5-20ug/ml Enzyme-linked Immunosorbent Assay: 0.05-2ug/ml Optimal working dilutions must be determined by end user.
Format	0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
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.

Images

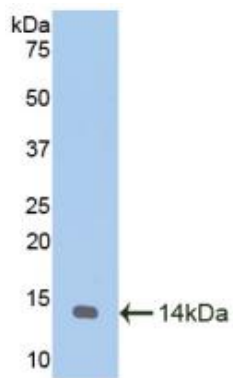


Figure. Western Blot; Sample: Recombinant MTNR1A, Caprine.

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