



BMA BIOMEDICALS

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Rheinstrasse 28-32
CH-4302 Augst (Switzerland)
Phone: ++41 61 811 6222
Fax: ++41 61 811 6006
info@bma.ch
www.bma.ch

Monoclonal Antibody To Human GPR50
G-Protein Coupled Receptor 50; Melatonin-related Receptor; H9;
UniProt: Q13585

GPR50 or melatonin-related receptor is a 617 amino acid protein that belongs to the G-protein coupled receptor 1 family, containing one disulfide bond. GPR50 does not bind melatonin and its endogenous ligand is still unknown. Nevertheless, this receptor has been shown to behave as an antagonist of the melatonin receptor MT₁. GPR50 has been identified as a genetic risk factor for bipolar disorder and major depression in women, and it has been linked to neurite outgrowth, lipid metabolism, stress response and energy homeostasis and torpor. Its expression seems to be limited to brain, particularly the hypothalamus and pituitary.

Product number: T-1225

Clone: 1A3

Lot: 01PO1223

TECHNICAL AND ANALYTICAL CHARACTERISTICS:

Host species; subclass:	Mouse IgG1, kappa light chain
Quantity:	250µg
Purification / Physical State:	Protein G purified, lyophilized
Format:	Affinity purified from serum-free cell culture supernatant, lyophilized Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.5mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer and 0.1% Kathon as a preservative.
Storage and stability:	Original vial with lyophilized antibody is stable for 1 year from date of despatch. Aliquots of stock solution can be kept frozen at -20°C for two years from date of reconstitution; do not freeze working dilutions.
Approximate working dilution:	optimal dilution should be tested by serial dilution.
Immune Histochemistry:	5µg/ml (1:50)
Fixation:	Formalin / Paraffin (pretreatment with microwave required, see protocol under www.bma.ch)
Suggested positive control:	human placenta
Immunogen:	DNA vaccine.
Antigen, epitope:	The specificity of the antibody was verified by flow cytometry with cells expressing the recombinant protein. The epitope has not been further characterized. For an illustration of the expression pattern please go to www.bma.ch .

This product contains Kathon as a preservative and is for research only. Purchase price does not include authorization to reverse engineer any part thereof, nor to use it in diagnostic or therapeutic applications.

T-1225

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25.10.2012