Abcam

Product datasheet

Anti-Melatonin Receptor 1A antibody ab87639

Overview

Product name  Anti-Melatonin Receptor 1A antibody
Description  Goat polyclonal to Melatonin Receptor 1A
Host species  Goat
Tested applications  Suitable for: WB
Species reactivity  Reacts with: Human
Immunogen  Peptide with sequence C- SLKYDKLYSSKNS, from corresponding to internal sequence amino acids 132-144 of human Melatonin Receptor 1A (NP_005949.1).
Positive control  KELLY lysate

Properties

Form  Liquid
Storage buffer  Preservative: 0.02% Sodium Azide
Constituents: 0.5% BSA, Tris buffered saline, pH 7.3
Purity  Immunogen affinity purified
Purification notes  Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality  Polyclonal
Isotype  IgG

Applications

Our Abpromise guarantee covers the use of ab87639 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
**Function**
High affinity receptor for melatonin. Likely to mediates 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.

**Tissue specificity**
Expressed in hypophyseal pars tuberalis and hypothalamic suprachiasmatic nuclei (SCN). Hippocampus.

**Sequence similarities**
Belongs to the G-protein coupled receptor 1 family.

**Cellular localization**
Cell membrane.

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**Application | Abreviews | Notes**

| WB | Use a concentration of 0.3 - 1 µg/ml. Detects a band of approximately 45 kDa (predicted molecular weight: 39 kDa). |

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**Target**

**Images**

Western blot - Anti-Melatonin Receptor 1A antibody (ab87639) at 0.3 µg/ml + KELLY lysate (in RIPA buffer) at 35 µg

Developed using the ECL technique.

**Predicted band size:** 39 kDa

**Observed band size:** 45 kDa

**Exposure time:** 1 hour

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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