**Product datasheet**

**Anti-Melatonin Receptor 1A/MTNR1A antibody ab87639**

**Overview**

- **Product name**: Anti-Melatonin Receptor 1A/MTNR1A antibody
- **Description**: Goat polyclonal to Melatonin Receptor 1A/MTNR1A
- **Host species**: Goat
- **Tested applications**: Suitable for: WB
- **Species reactivity**: Reacts with: Human
- **Immunogen**: Synthetic peptide corresponding to Human Melatonin Receptor 1A/MTNR1A aa 132-144 (internal sequence) (Cysteine residue).
  - Sequence: SLKYDKLYSSKNS
- **Database link**: NP_005949.1
- **Positive control**: KELLY lysate
- **General notes**: This product was previously labelled as Melatonin Receptor 1A

**Properties**

- **Form**: Liquid
- **Storage instructions**: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
- **Storage buffer**: pH: 7.30
  - Preservative: 0.02% Sodium azide
  - Constituents: 0.5% BSA, Tris buffered saline
- **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
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.

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.

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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td></td>
<td>Use a concentration of 0.3 - 1 µg/ml. Detects a band of approximately 45 kDa (predicted molecular weight: 39 kDa). 1 hour primary incubation is recommended for this product.</td>
</tr>
</tbody>
</table>

Target

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.

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.

Images

Western blot - Anti-Melatonin Receptor 1A/MTNR1A antibody (ab87639)

Anti-Melatonin Receptor 1A/MTNR1A 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

why is the actual band size different from the predicted?

Exposure time: 1 hour

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
• Valid for 12 months from date of delivery
• Response to your inquiry within 24 hours

• We provide support in Chinese, English, French, German, Japanese and Spanish
• Extensive multi-media technical resources to help you
• We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

• Guarantee only valid for products bought direct from Abcam or one of our authorized distributors