

**HTR1A antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI16209****Specification**

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**HTR1A antibody - N-terminal region - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P08908</a>
Other Accession	<a href="#">NM_000524</a> , <a href="#">NP_000515</a>
Reactivity	<b>Human</b>
Predicted	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>46kDa KDa</b>

**HTR1A antibody - N-terminal region - Additional Information****Gene ID** 3350**Alias Symbol** **G-21, 5HT1a, PFMCD, 5-HT1A, 5-HT-1A, ADRBRL1, ADRB2RL1****Other Names**

5-hydroxytryptamine receptor 1A, 5-HT-1A, 5-HT1A, G-21, Serotonin receptor 1A, HTR1A, ADRB2RL1, ADRBRL1

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 100 ul of distilled water. Final anti-HTR1A antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

HTR1A antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**HTR1A antibody - N-terminal region - Protein Information****Name** HTR1A**Synonyms** ADRB2RL1, ADRBRL1**Function**

G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for various drugs and psychoactive substances. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Beta-arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways. Signaling

inhibits adenylate cyclase activity and activates a phosphatidylinositol-calcium second messenger system that regulates the release of Ca(2+) ions from intracellular stores. Plays a role in the regulation of 5-hydroxytryptamine release and in the regulation of dopamine and 5-hydroxytryptamine metabolism. Plays a role in the regulation of dopamine and 5-hydroxytryptamine levels in the brain, and thereby affects neural activity, mood and behavior. Plays a role in the response to anxiogenic stimuli.

#### Cellular Location

Cell membrane; Multi-pass membrane protein. Cell projection, dendrite  
{ECO:0000250|UniProtKB:P19327}

#### Tissue Location

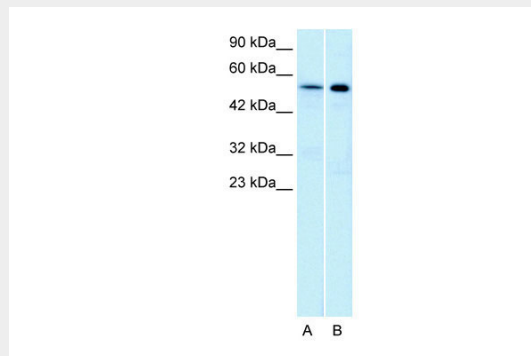
Detected in lymph nodes, thymus and spleen. Detected in activated T-cells, but not in resting T-cells

### HTR1A antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### HTR1A antibody - N-terminal region - Images



WB Suggested Anti-HTR1A Antibody Titration: 0.0625µg/ml  
ELISA Titer: 1:62500  
Positive Control: Jurkat cell lysate

### HTR1A antibody - N-terminal region - Background

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#### **HTR1A antibody - N-terminal region - References**

- Kobilka B.K.,et al.Nature 329:75-79(1987).  
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Kitano T.,et al.Mol. Biol. Evol. 21:936-944(2004).  
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