

Datasheet for 200-401-I11**Serotonin Receptor 1B Antibody****Overview**

Description:	Anti-Serotonin Receptor 1B (RABBIT) Antibody - 200-401-I11
Item No.:	200-401-I11
Size:	100 µg
Applications:	WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Anti-Serotonin Receptor 1B antibody detects rat Serotonin Receptor 1B. Serotonin (5-hydroxytryptamine, 5-HT), originally discovered as a serum factor plays important roles in regulating diverse biological processes in central and peripheral nervous systems, cardiovascular systems, and gastrointestinal systems. Molecular cloning studies have identified 5 receptors belonging to the 5-HT1 subtypes. These receptors are negatively coupled to adenylyl cyclase. Radioligand binding studies suggest the presence of 5-HT1B (formerly known as 5-HT1DbR) sites in substantia nigra, dorsal subiculum, globus pallidus, and superior colliculum. The in situ hybridization studies show abundance of 5-HT1BR mRNA in CA1 pyramidal cells of hippocampus, Purkinje cells of cerebellum, olfactory tubercle, subthalamic nucleus and somewhat lower levels in the caudate-putamen, cortical areas, thalamic and hypothalamic nuclei. Anti-Serotonin Receptor 1B antibody is ideal for investigators involved in neurobiology.
Synonyms:	5ht1b
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	Htr1b
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	Serotonin Receptor 1B Antibody was produced from whole rabbit serum prepared by repeated immunizations with a mixture of synthetic peptides corresponding to two internal amino acid sequences in rat 5-HT1BR protein.
Purity/Specificity:	Anti-Serotonin Receptor 1B Antibody was purified by Protein G chromatography. A BLAST analysis was used to suggest cross-reactivity with Anti-Serotonin Receptor 1B from human, mouse and rat based on 100% homology with the immunizing sequence. Cross-reactivity with Anti-Serotonin Receptor 1B from other sources has not been determined.
Relevant Links:	• UniProtKB - P28564 • NCBI - NP_071561.1 • GeneID - 25075

Application Details

Tested Applications:	WB
Application Note:	Anti-Serotonin Receptor 1B antibody is tested for use in WB and suitable in IF/ICC. Expect a band approximately 40kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	1-2 µg/mL

Formulation

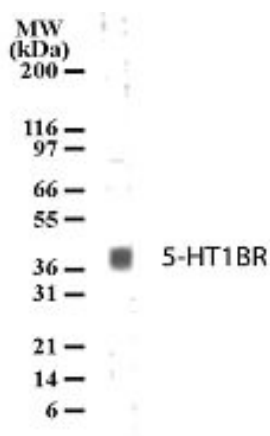
Physical State:	Liquid
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.05% (w/v) Sodium Azide
Stabilizer:	0.05% BSA

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Rabbit Anti-Serotonin Receptor 1B antibody.
Lane 1: Human brain lysate. Primary antibody: Serotonin Receptor 1B at $\mu\text{g/mL}$ for overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 40-41 kDa for SENP5. Other band (s): none.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.