

Datasheet for 200-401-I13**Serotonin Receptor 7 Antibody****Overview**

Description:	Anti-Serotonin Receptor 7 (RABBIT) Antibody - 200-401-I13
Item No.:	200-401-I13
Size:	100 µg
Applications:	FC, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Anti-Serotonin Receptor 7 antibody detects rat, human and dog Serotonin Receptor 7. Receptors for serotonin (5-hydroxytryptamine, 5-HT) are classified into seven major classes (5-HT ₁₋₇), based on structural, functional and pharmacological criteria. The 5-HT ₇ receptor (5-HT _{7R}) is a seven-transmembrane-domain G-protein-coupled receptor that has important roles in regulating diverse biological process in the central and peripheral nervous systems. Receptors for serotonin (5-hydroxytryptamine, 5-HT) are classified into seven major classes (5-HT ₁₋₇), based on structural, functional and pharmacological criteria. Sequence alignment shows a high degree of interspecies 5-HT _{7R} homology (>90%), and a low homology with other 5-HTRs. Anti-Serotonin Receptor 7 is ideal for researchers interested in Neurobiology research.
Synonyms:	5-HT-X, Serotonin receptor 7
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	Htr7
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Serotonin Receptor 7 Antibody was produced from whole rabbit serum prepared by repeated immunizations with amino acids near the n-terminus of rat protein 5-HT _{7R} .

Purity/Specificity: Anti-Serotonin Receptor 7 Antibody was purified by Protein G chromatography. A BLAST analysis was used to suggest cross-reactivity with Anti-Serotonin Receptor 7 from human, mouse, dog and rat based on 100% homology with the immunizing sequence. Cross-reactivity with Anti-Serotonin Receptor 7 from other sources has not been determined.

Relevant Links:

- [UniProtKB - P32305](#)
- [NCBI - NP_075227.1](#)
- [GeneID - 103694905](#)

Application Details

Tested Applications: FC, IF, WB

Application Note: Anti-Serotonin Receptor 7 Antibody is tested for use in FLOW, IF/ICC, and WB. Expect a band approximately 45-50kDa 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: 1:500-1:1000

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

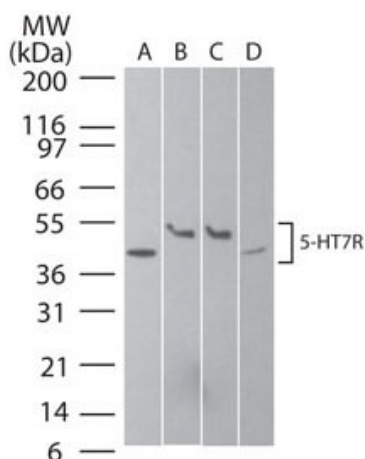
Shipping & Handling

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 7 antibody.
 Lane A: human brain. Lane B: mouse brain. Lane C: rat brain. Lane D: human SK-N-SH neuroblastoma cell lysate.
 Primary antibody: Serotonin Receptor 7 at 2 µg/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: 80 kDa for Serotonin Receptor 7. 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.