

Datasheet for 600-401-X73**ADORA2B Antibody****Overview**

Description:	Anti-ADORA2B (RABBIT) Antibody - 600-401-X73
Item No.:	600-401-X73
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The adenosine receptor ADORA2B is a member of the G protein-coupled receptor superfamily and is an integral membrane protein that stimulates adenylate cyclase activity in the presence of adenosine (1,2). Extracellular adenosine triggers a potent anti-inflammatory response that is mediated in part by ADORA2B including the stimulation of IL-10 production (3-5). Activation of ADORA2B can also enhance the abundance of regulatory T cells (Tregs), a class of cells that work to constrain inflammation (6).
Synonyms:	Adenosine receptor A2b, ADORA2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ADORA2B
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-ADORA2B antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid peptide near the C-terminus of human ADORA2B. The immunogen is located within the last 50 amino acids of ADORA2B.

Purity/Specificity: Anti-ADORA2B antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. ADORA2B antibody is human, mouse and rat reactive. At least two isoforms of ADORA2B are known to exist; this antibody will detect both isoforms. ADORA2B antibody is predicted to not cross-react with ADORA2A.

Relevant Links:

- [UniProtKB - P29275](#)
- [GeneID - 136](#)
- [NCBI - NP_000667](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-ADORA2B Antibody has been tested for use in ELISA, immunohistochemistry, immunofluorescence, and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 41 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:5000 - 1:10000

IF: 20 µg/mL

IHC: 5 µg/mL

WB: 0.5-1 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

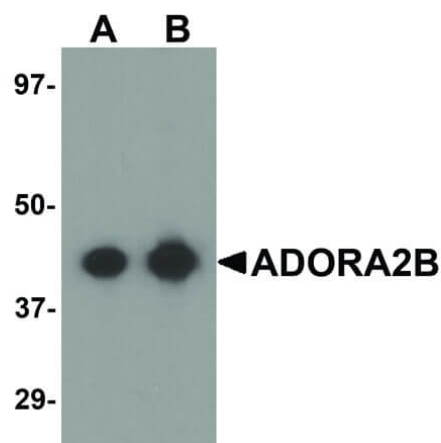
Shipping & Handling

Shipping Condition: Wet Ice

Storage Condition: Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

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

Images



Western Blot

Western Blot of Rabbit anti-ADORA2B antibody. Lane A: mouse colon tissue lysate at 0.5 $\mu\text{g/mL}$. Lane B: mouse colon tissue lysate at 1 $\mu\text{g/mL}$. Primary antibody: ADORA2B antibody overnight at 4°C. Secondary antibody: Goat anti-Rabbit HRP secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 37 kDa, 41 kDa for ADORA2B.

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.