

## Anti-Adenosine receptor A2b ADORA2B Antibody

Catalog Number: A05238

### About ADORA2B

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).

### Overview

Product Name	Anti-Adenosine receptor A2b ADORA2B Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Adenosine receptor A2b ADORA2B Antibody (Catalog # A05238). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	ADORA2B antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	ADORA2B antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	P29275

### Technical Details

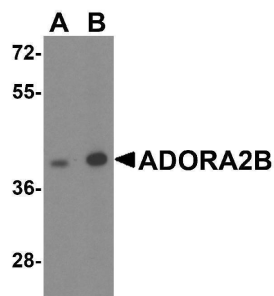
Immunogen	ADORA2B antibody was raised against a 19 amino acid peptide near the carboxy terminus of human ADORA2B. The immunogen is located within the last 50 amino acids of ADORA2B.
Predicted Reactive Species	Rabbit
Cross Reactivity	ADORA2B antibody is human, mouse and rat reactive. At least two isoforms of ADORA2B are known to exist; this antibody will detect both isoforms. ADORA2B antibody is predicted to not cross-react with ADORA2A.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	ADORA2B antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

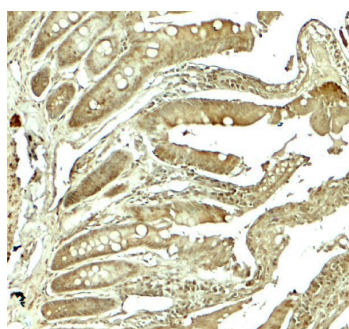
ADORA2B antibody can be used for detection of ADORA2B by Western blot at 0.25 – 0.5 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in mouse samples; Immunohistochemistry in rat samples and Immunofluorescence in rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

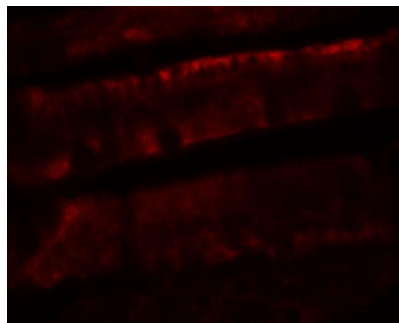
## Anti-Adenosine receptor A2b ADORA2B Antibody (A05238) Images



Western blot analysis of ADORA2B in mouse kidney tissue lysate with ADORA2B antibody at (A) 0.25 and (B) 0.5 ug/mL



Immunohistochemistry of ADORA2B in rat colon tissue with ADORA2B antibody at 5 ug/mL.



Immunofluorescence of ADORA2B in rat colon tissue with ADORA2B antibody at 20 ug/mL.

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