

# Product Datasheet

## Adenosine A2b R Antibody - BSA Free NBP2-41312

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 7

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-41312](http://www.novusbio.com/NBP2-41312)

Updated 10/23/2024 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-41312](http://www.novusbio.com/reviews/destination/NBP2-41312)



**NBP2-41312**

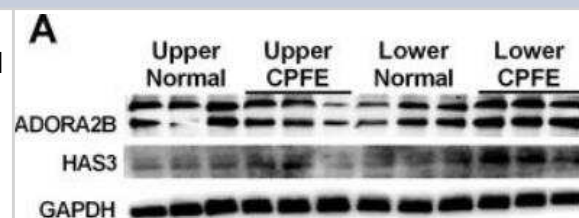
Adenosine A2b R Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	41 kDa
Product Description	
Host	Rabbit
Gene ID	136
Gene Symbol	ADORA2B
Species	Human, Mouse, Rat
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Rabbit (80%)
Specificity/Sensitivity	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.
Immunogen	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. Amino Acid Sequence: QADVKSNGNGQAGVQPA
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.25- 0.5 ug/ml, Flow Cytometry, ELISA, Immunohistochemistry 5 ug/ml, Immunocytochemistry/ Immunofluorescence 20 ug/ml, Immunohistochemistry-Paraffin 5 ug/ml
Application Notes	Use in FLOW reported in scientific literature (PMID: 30242135).

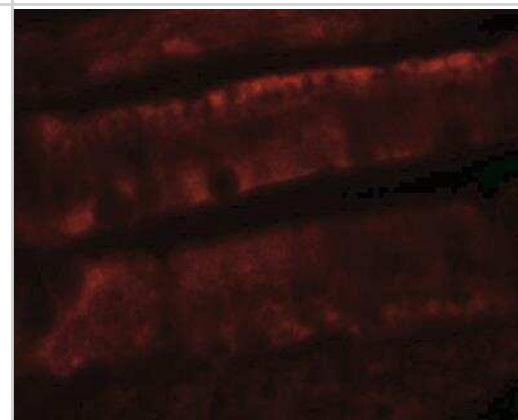


## Images

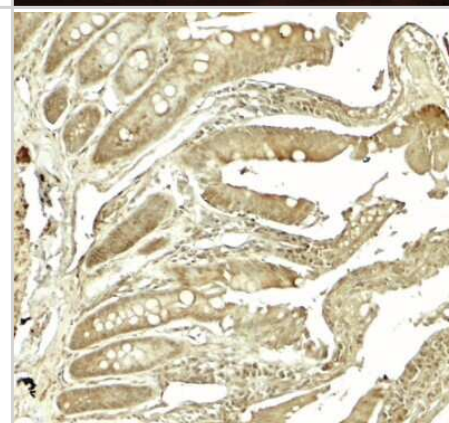
Western Blot: Adenosine A2b R Antibody [NBP2-41312] - ADORA2B and HAS3 are elevated in CPFE. Western blot for ADORA2B, HAS3 and GAPDH from upper and lower lobes from normal or CPFE lungs. Image collected and cropped by CiteAb from the following publication (<https://dmm.biologists.org/lookup/doi/10.1242/dmm.038711>) licensed under a CC-BY license.



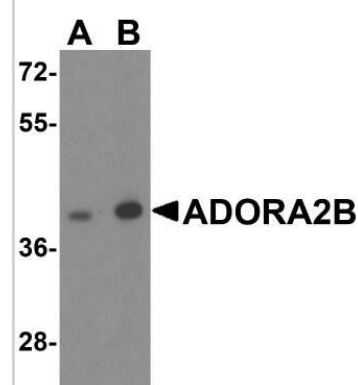
Immunocytochemistry/Immunofluorescence: Adenosine A2b R Antibody [NBP2-41312] - Rat colon tissue with ADORA2B antibody at 20 ug/mL.



Immunohistochemistry-Paraffin: Adenosine A2b R Antibody [NBP2-41312] - Rat colon tissue with ADORA2B antibody at 5 ug/mL.



Western Blot: Adenosine A2b R Antibody [NBP2-41312] - Analysis of ADORA2B in mouse kidney tissue lysate with ADORA2B antibody at (A) 0.25 and (B) 0.5 ug/mL



## Publications

Bao Q, Ganbold T, Qiburi Q et al. AMP functionalized curdlan nanoparticles as a siRNA carrier: Synthesis, characterization and targeted delivery via adenosine A(2B) receptor Int J Biol Macromol 2021-12-01 [PMID: 34743942] (Human)

Basu, M, Gupta, P Et al. Increased host ATP efflux and its conversion to extracellular adenosine is crucial for establishing Leishmania infection. J Cell Sci 2020-04-08 [PMID: 32079656] (IF/IHC, Mouse)

Pang L, Ng KT, Liu J et al. Plasmacytoid dendritic cells recruited by HIF-1 alpha /eADO/ADORA1 signaling induce immunosuppression in hepatocellular carcinoma Cancer letters 2021-09-16 [PMID: 34536555] (FLOW, Human)

Witteveldt J, Knol LI, Macias S Adenosine and hyaluronan promote lung fibrosis and pulmonary hypertension in combined pulmonary fibrosis and emphysema Dis Model Mech 2019-05-15 [PMID: 31036697] (WB)

Lan J, Lu H, Samanta D et al. Hypoxia-inducible factor 1-dependent expression of adenosine receptor 2B promotes breast cancer stem cell enrichment. Proc Natl Acad Sci U S A. 2018-10-09 [PMID: 30242135] (FLOW, Human)

Details:

Citation using the PE form of this antibody.

Xu X, Zhu Q, Niu F et al. A2BAR activation attenuates acute lung injury by inhibiting alveolar epithelial cell apoptosis both in vivo and in vitro Am. J. Physiol., Cell Physiol. 2018-06-13 [PMID: 29898376] (Mouse)

Ren ZH, Lin CZ, Cao W et al. CD73 is associated with poor prognosis in HNSCC. Oncotarget. 2016-09-20 [PMID: 27557512] (IF/IHC, WB, Human)





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-41312**

---

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
210-TA-005	TNF-alpha [Unconjugated]

---

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-41312](http://www.novusbio.com/reviews/submit/NBP2-41312)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

