

Product Datasheet

Adenosine A2aR Antibody

NB300-597

Unit Size: 100 uL

Store at -20C. Avoid freeze-thaw cycles.

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NB300-597

Adenosine A2aR Antibody

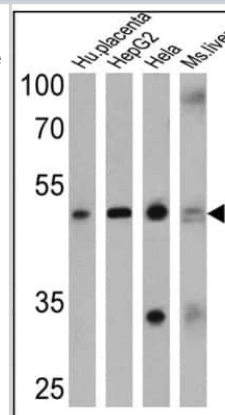
Product Information	
Unit Size	100 uL
Concentration	0.69 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS with 1 mg/ml BSA
Target Molecular Weight	45 kDa

Product Description	
Host	Rabbit
Gene ID	135
Gene Symbol	ADORA2A
Species	Human, Mouse, Rat, Canine
Specificity/Sensitivity	Detects adenosine receptor A2a. This does not detect other AR subtypes.
Immunogen	Synthetic peptide corresponding to residues E(373) S H G D M G L P D V E L L S H E L K(391) of canine A2aAR.

Product Application Details	
Applications	Western Blot, Simple Western, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000, Simple Western 1:20, Flow Cytometry, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10 - 1:100, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:20-1:200
Application Notes	Use in Flow reported in scientific literature (PMID:34536555). WB: Detects an approx. 45 kDa protein from canine striatum representing A2aAR. Simple Western reported by an internal validation. Separated by Size-Jess/Wes, Sally Sue/Peggy Sue, antibody dilution of 1:50. Apparent MW in kDa on Simple Western was 39kDa; matrix was 12-230 kDa.

Images

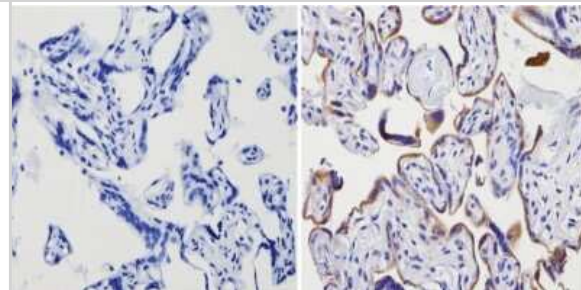
Western Blot: Adenosine A2aR Antibody [NB300-597] - Analysis of 25 ug of human placenta (lane 1), HepG2 (lane 2), Hela (lane 3) and mouse liver (lane 4) cell lysates.



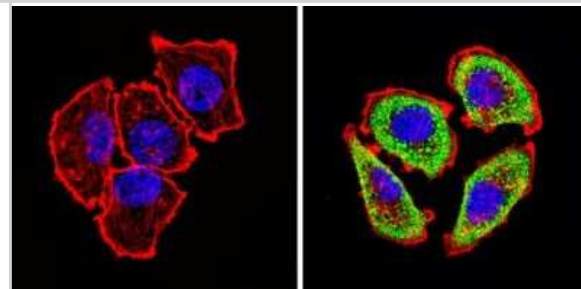
Simple Western: Adenosine A2aR Antibody [NB300-597] - Simple Western lane view shows a specific band for Adenosine A2a R in 0.5 mg/ml of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



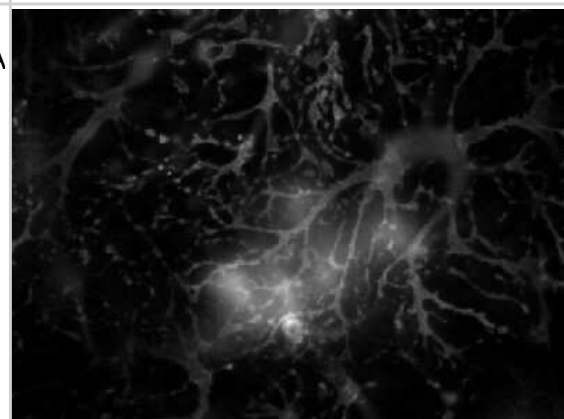
Immunohistochemistry-Paraffin: Adenosine A2aR Antibody [NB300-597] - Analysis showing positive staining in the cytoplasm and membrane of Human placenta tissue (right) compared with a negative control in the absence of primary antibody (left).



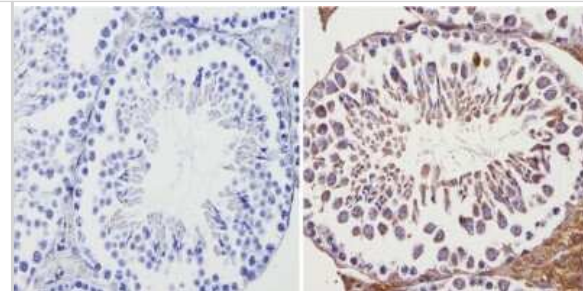
Immunocytochemistry/Immunofluorescence: Adenosine A2aR Antibody [NB300-597] - Analysis of Adenosine Receptor A2a (green) showing staining in the cytoplasm of U251 cells (right) compared to a negative control without primary antibody (left). F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI



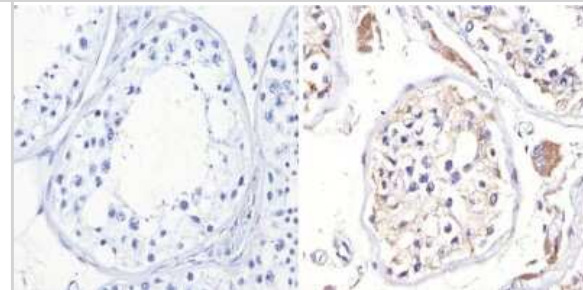
Immunocytochemistry/Immunofluorescence: Adenosine A2aR Antibody [NB300-597] - Mixed cortical rat neurons culture (21 DIV) stained for A2A labelled with Alexa647. The staining visualised the astrocytes in culture. This image was submitted via customer Review.



Immunohistochemistry-Paraffin: Adenosine A2aR Antibody [NB300-597]
- Staining in the cytoplasm and membrane of Mouse testis tissue (right) compared with a negative control in the absence of primary antibody (left).



Immunohistochemistry-Paraffin: Adenosine A2aR Antibody [NB300-597]
- Analysis showing positive staining in the cytoplasm and membrane of Human testis tissue (right) compared with a negative control in the absence of primary antibody (left).



Publications

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)

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 NB300-597

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00000135-Q01-10ug	Recombinant Human Adenosine A2aR GST (N-Term) Protein

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.

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