

Product Datasheet

Adenosine A2aR Antibody (7F6-G5-A2) - Azide and BSA Free NBP2-80562

Unit Size: 0.1 ml

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

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NBP2-80562

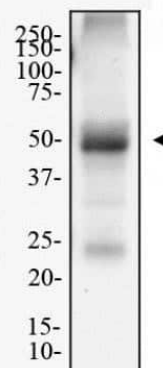
Adenosine A2aR Antibody (7F6-G5-A2) - Azide and BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	7F6-G5-A2
Preservative	No Preservative
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	43 kDa
Product Description	
Host	Mouse
Gene ID	135
Gene Symbol	ADORA2A
Species	Human, Mouse, Rat, Porcine, Canine, Guinea Pig, Rabbit, Sheep
Reactivity Notes	Sheep reactivity reported in scientific literature (PMID: 29791204). Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Full length recombinant human Adenosine A2a R. [UniProt# P29274]
Product Application Details	
Applications	Western Blot, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1 - 5 ug/ml, Immunohistochemistry 1 - 5 ug/ml, Immunocytochemistry/ Immunofluorescence 1:50 - 1:100. Use reported in scientific literature (PMID 25836920), Immunohistochemistry-Paraffin 1 - 5 ug/ml, Immunohistochemistry-Frozen reported in scientific literature (PMID 9822147), Flow (Intracellular), CyTOF-ready

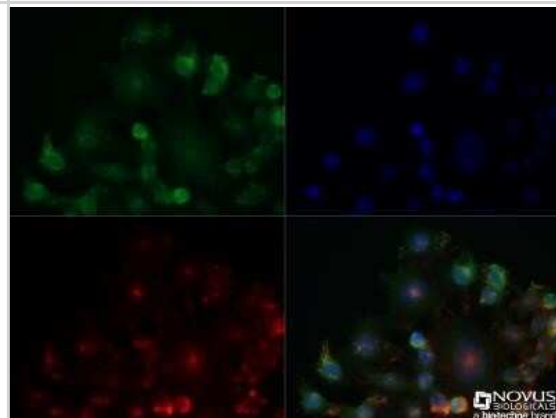


Images

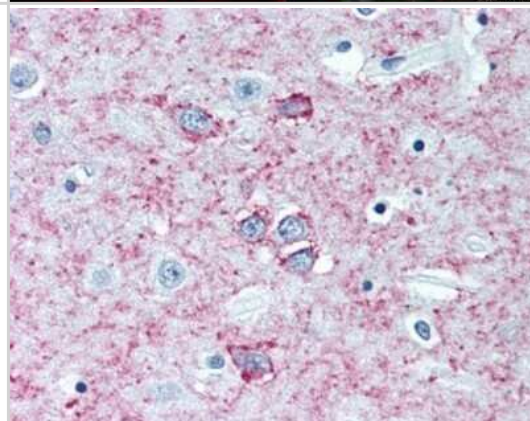
Western Blot: Adenosine A2aR Antibody (7F6-G5-A2) - Azide and BSA Free [NBP2-80562] - Total protein from mouse brain was separated on a 12% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 1.0 ug/mL anti-Adenosine A2a R (7F6-G5-A2) in 1% milk, and detected with an anti-mouse HRP secondary antibody using chemiluminescence. Image from the standard format of this antibody.



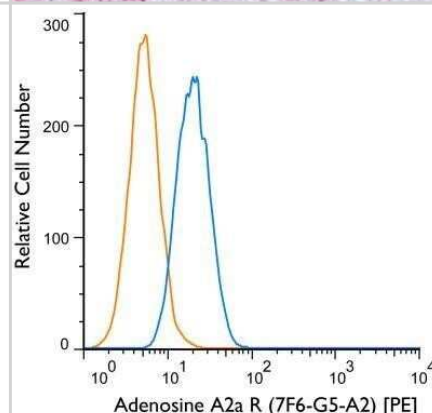
Immunocytochemistry/Immunofluorescence: Adenosine A2aR Antibody (7F6-G5-A2) - Azide and BSA Free [NBP2-80562] - Neuro2a cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with anti-Adenosine A2a R (7F6-G5-A2), NBP1-39474, at a 1:50 dilution overnight at 4C and detected with an anti-mouse Dylight 488 (Green) at a 1:500 dilution. Actin was detected with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.



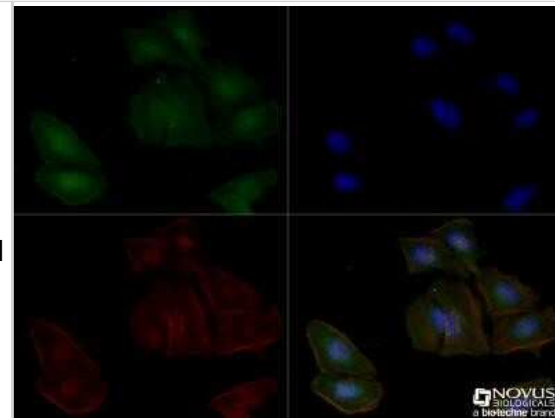
Immunohistochemistry: Adenosine A2aR Antibody (7F6-G5-A2) - Azide and BSA Free [NBP2-80562] - Staining of human brain (putamen), antibody at 5 ug/mL. Image from the standard format of this antibody.



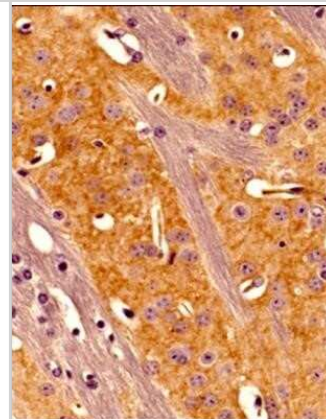
Flow Cytometry: Adenosine A2aR Antibody (7F6-G5-A2) - Azide and BSA Free [NBP2-80562] - Using the PE direct conjugate an intracellular stain was performed on SH-SY5Y cells with Adenosine A2a R (7F6-G5-A2) antibody NBP1-39474PE (blue) and a matched isotype control NB600-986PE (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to Phycoerythrin (PE).



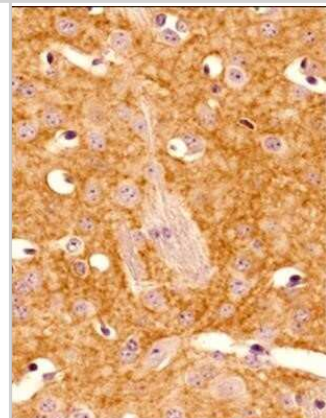
Immunocytochemistry/Immunofluorescence: Adenosine A2aR Antibody (7F6-G5-A2) - Azide and BSA Free [NBP2-80562] - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with anti-Adenosine A2a R (7F6-G5-A2), NBP1-39474, at a 1:50 dilution overnight at 4C and detected with an anti-mouse Dylight 488 (Green) at a 1:500 dilution. Actin was detected with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.



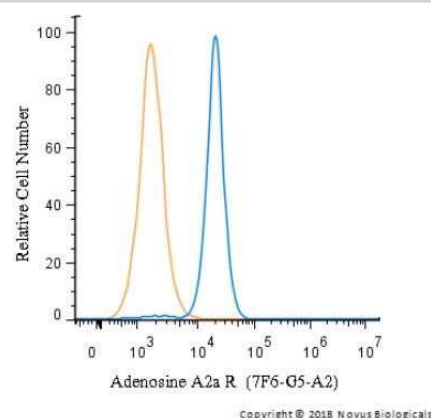
Immunohistochemistry-Paraffin: Adenosine A2aR Antibody (7F6-G5-A2) - Azide and BSA Free [NBP2-80562] - Analysis of a FFPE tissue section of mouse brain using Adenosine A2a R antibody (clone 7F6-G5-A2) at 1:100 dilution. The antibody generated nice membranous / punctate staining of Adenosine A2a receptors. Image from the standard format of this antibody.



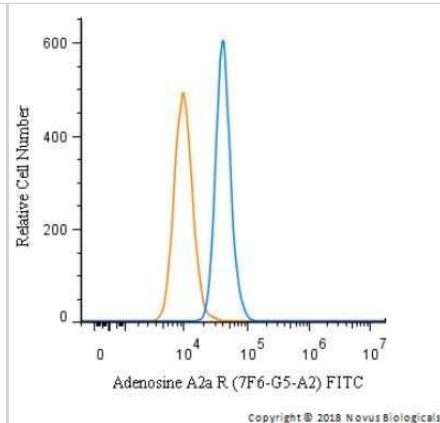
Immunohistochemistry-Paraffin: Adenosine A2aR Antibody (7F6-G5-A2) - Azide and BSA Free [NBP2-80562] - Analysis of a FFPE tissue section of mouse brain using Adenosine A2a R antibody (clone 7F6-G5-A2) at 1:400 dilution. The antibody generated nice membranous / punctate staining of Adenosine A2a receptors. Image from the standard format of this antibody.



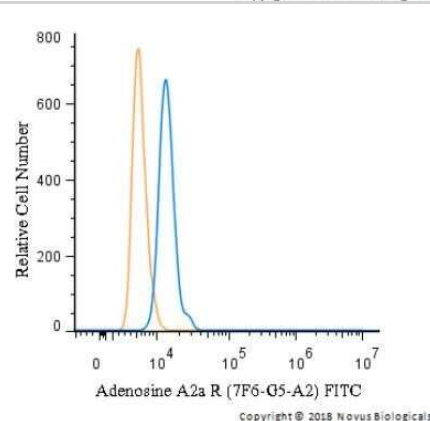
Flow Cytometry: Adenosine A2aR Antibody (7F6-G5-A2) - Azide and BSA Free [NBP2-80562] - An intracellular stain was performed on SH-SY5Y with Adenosine A2a R Antibody (7F6-G5-A2) NBP1-39474 and a matched isotype control. Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature, followed by Mouse F(ab)2 IgG (H+L) PE-conjugated Antibody (R&D Systems, F0102B). Image from the standard format of this antibody.



Flow Cytometry: Adenosine A2aR Antibody (7F6-G5-A2) - Azide and BSA Free [NBP2-80562] - An intracellular stain was performed on U-87 MG cells with Adenosine A2a R (7F6-G5-A2) antibody NBP1-39474F (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 10 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to FITC.



Flow Cytometry: Adenosine A2aR Antibody (7F6-G5-A2) - Azide and BSA Free [NBP2-80562] - An intracellular stain was performed on U-937 cells with Adenosine A2a R (7F6-G5-A2) antibody NBP1-39474F (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to FITC.





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Products Related to NBP2-80562

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
H00000135-Q01-10ug	Recombinant Human Adenosine A2aR GST (N-Term) Protein

Limitations

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