

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

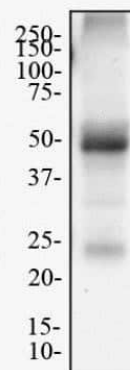
Product Description	
Description	Novus Biologicals Mouse Adenosine A2aR Antibody (7F6-G5-A2) - Azide and BSA Free (NBP1-39474) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	135
Gene Symbol	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, Immunohistochemistry-Paraffin, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, 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

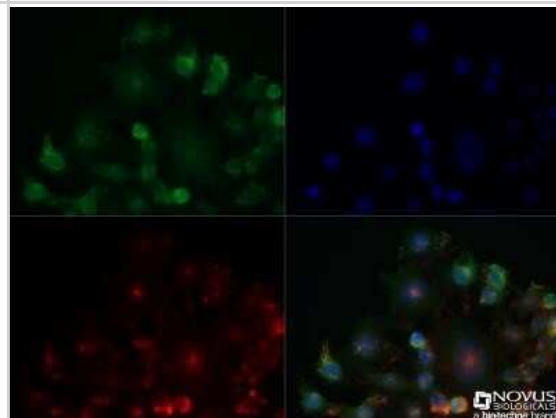


Images

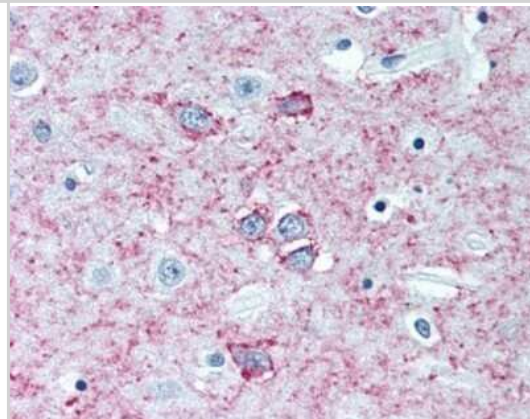
Western Blot: Adenosine A2aR Antibody (7F6-G5-A2) - Azide and BSA Free [NBP2-80562] - Total protein from mouse brain was separated on a 12% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 1.0 ug/mL anti-Adenosine A2a R (7F6-G5-A2) in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



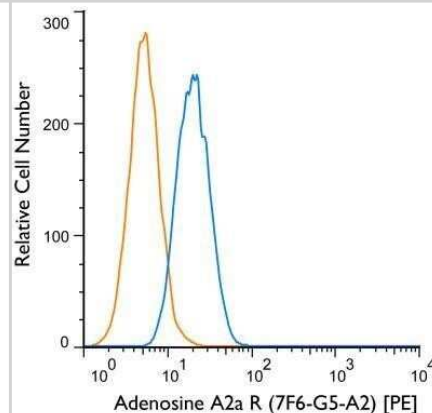
Immunocytochemistry/Immunofluorescence: Adenosine A2aR Antibody (7F6-G5-A2) - Azide and BSA Free [NBP2-80562] - Neuro2a cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with anti-Adenosine A2a R (7F6-G5-A2), 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.



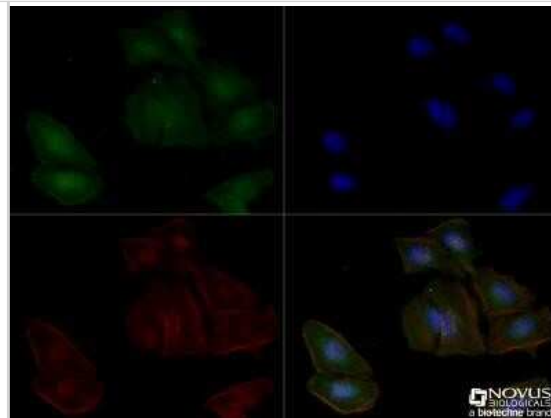
Immunohistochemistry: Adenosine A2aR Antibody (7F6-G5-A2) - Azide and BSA Free [NBP2-80562] - Staining of human brain (putamen), antibody at 5 ug/mL. Image from the standard format of this antibody.



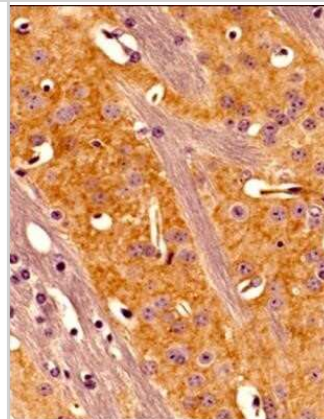
Flow Cytometry: Adenosine A2aR Antibody (7F6-G5-A2) - Azide and BSA Free [NBP2-80562] - Using the PE direct conjugate an intracellular stain was performed on SH-SY5Y cells with Adenosine A2a R (7F6-G5-A2) antibody NBP1-39474PE (blue) and a matched isotype control NB600-986PE (orange). Cells were fixed 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).



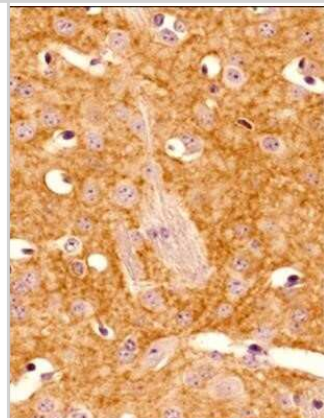
Immunocytochemistry/Immunofluorescence: Adenosine A2aR Antibody (7F6-G5-A2) - Azide and BSA Free [NBP2-80562] - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with anti-Adenosine A2a R (7F6-G5-A2), 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.



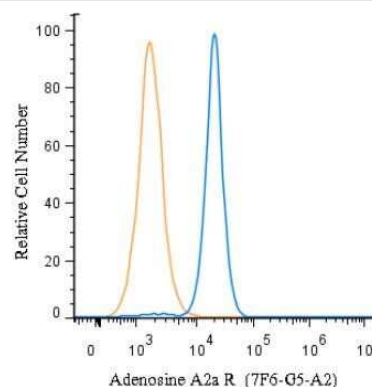
Immunohistochemistry-Paraffin: Adenosine A2aR Antibody (7F6-G5-A2) - Azide and BSA Free [NBP2-80562] - Analysis of a FFPE tissue section of mouse brain using Adenosine A2a R antibody (clone 7F6-G5-A2) at 1:100 dilution. The antibody generated nice membranous / punctate staining of Adenosine A2a receptors.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

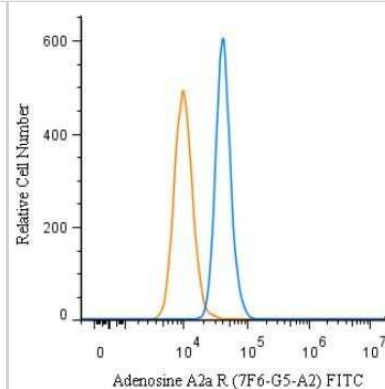


Flow Cytometry: Adenosine A2aR Antibody (7F6-G5-A2) - Azide and BSA Free [NBP2-80562] - An intracellular stain was performed on SH-SY5Y with Adenosine A2a R Antibody (7F6-G5-A2) NBP1-39474 and a matched isotype control. Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were 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.

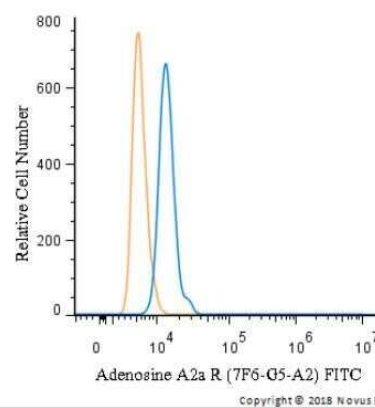


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Flow Cytometry: Adenosine A2aR Antibody (7F6-G5-A2) - Azide and BSA Free [NBP2-80562] - An intracellular stain was performed on U-87 MG cells with Adenosine A2a R (7F6-G5-A2) antibody NBP1-39474F (blue) and a matched isotype control (orange). Cells 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

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

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