Product Datasheet

Adenosine A3 R Antibody
NLS689

Unit Size: 0.05 mg

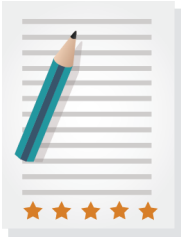
Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NLS689

Updated 10/23/2024 v.20.1



NLS689

Adenosine A3 R Antibody

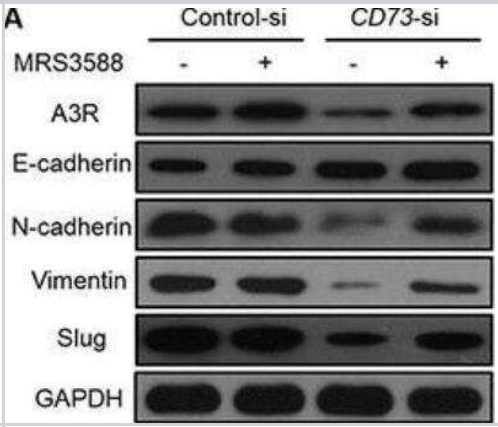
Product Information	
Unit Size	0.05 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

Product Description	
Description	Product can be stored undiluted at 4C for up to 1 month.
Host	Rabbit
Gene ID	140
Gene Symbol	ADORA3
Species	Human, Mouse, Porcine, Canine, Equine, Primate, Monkey
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 30641086). Predicted cross-reactivity based on sequence identity: Marmoset (100%).
Specificity/Sensitivity	Human ADORA3. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Immunogen	Synthetic 16 amino acid peptide from 3rd cytoplasmic domain of human Adenosine A3 R.

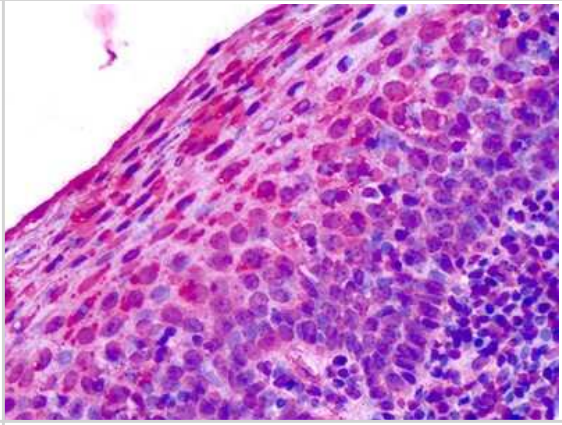
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 20-30 ug/ml
Application Notes	Use in Flow reported in scientific literature (PMID:34536555). Use in IHC and WB reported in scientific literature (PMID: 27557512). . Use in ICC/IF reported in scientific literature (PMID: 30641086). .

Images

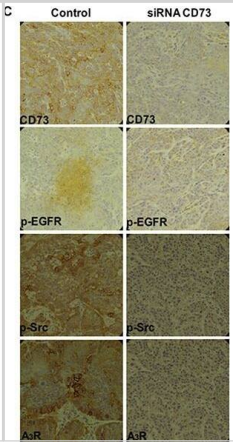
Western Blot: Adenosine A3 R Antibody [NLS689] - EGFR and adenosine signaling pathways are involved in CD73-dependent EMT in HNSCC cells (A) CAL27 cells were treated with siRNA targeting CD73 or control siRNA followed by incubation with MRS3588 for another 36 h. E-cadherin, N-cadherin, Vimentin and Slug levels were evaluated. GAPDH was the internal standard for protein loading. One-way ANOVA with post-Dunnett analysis was performed using GraphPad Prism5.*P < 0.05, versus the si-control group, #P < 0.05, versus the CD73-si group. (n = 3). Image collected and cropped by CiteAb from the following publication (www.oncotarget.com/article/11435/text/), licensed under a CC-BY license.



Immunohistochemistry-Paraffin: Adenosine A3 R Antibody [NLS689] - Analysis of anti-Adenosine A3 Receptor / ADORA3 antibody with human tonsil, squamous epithelium at dilution 20-30 ug/ml.



Immunohistochemistry: Adenosine A3 R Antibody [NLS689] - si-CD73 inhibits HNSCC tumor growth & suppress EMT in vivo(A) Tumor growth curve of siRNA-CD73 mice & control mice. Data represent the mean ± SEM. of eight mice in each group. *P < 0.05, **P < 0.01, ***P < 0.001 by the Student's t-test; (B) Dissected tumors were photographed. The tumor volume & weight were measured. ***P < 0.001 by the Student's t-test; (C) Representative images of immunohistochemical analysis of CD73, p-EGFR, p-Src, A3R, Slug, E-cad, N-cad & Vimentin in tumors, (Scale bars = 100 μm). Image collected & cropped by CiteAb from the following publication (https://www.oncotarget.com/lookup/doi/10.18632/oncotarget.11435), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



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)

Kutryb-Zajac B, Jablonska P, Serocki M et al. Extracellular Adenine Nucleotide and Adenosine Metabolism in Calcific Aortic Valve Disease. bioRxiv 2018-08-28 [PMID: 32126886] (ICC/IF, Human)

Kutryb-Zajac B, Mierzejewska P, Sucajtys-Szulc E et al. Inhibition of LPS-stimulated ecto-adenosine deaminase attenuates endothelial cell activation J. Mol. Cell. Cardiol. 2019-01-11 [PMID: 30641086] (ICC/IF, Mouse)

Ren ZH, Lin CZ, Cao W et al. CD73 is associated with poor prognosis in HNSCC. Oncotarget. 2016-09-20 [PMID: 27557512] (WB, IF/IHC, 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 NLS689

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.
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