## **Product Datasheet**

## Adenylate Cyclase 3 Antibody (1A12) - BSA Free NBP3-05526-100ul

Unit Size: 100 ul

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

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#### NBP3-05526-100ul

Adenylate Cyclase 3 Antibody (1A12) - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1A12
Preservative	0.035% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	50% PBS, 50% glycerol
Target Molecular Weight	120 kDa
Product Description	
Host	Mouse
Gene ID	109
Gene Symbol	ADCY3
Species	Human, Mouse, Rat
Immunogen	C-terminal peptide of rat Adenylate Cyclase 3, PAAFPNGSSVTLPHQVVDNP with a Cys added to the N-terminus to allow coupling to KLH.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000-1:2000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:1000

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#### Images

Western Blot: Adenylate Cyclase 3 Antibody [NBP3-05526] - Western blot analysis of HEK293 cell lysates using Adenylate Cyclase 3 Antibody, dilution 1:1,000, in green: [1] protein standard, [2] non-transfected HEK293 cells, and [3] HEK293 cells transfected with a vector encoding Myc-DDK tagged fill length human adenylate cyclase 3. The strong band at about 130kDa in transfected cells demonstrates overexpression of the human adenylate cyclase 3 protein, and bands over 250kDa presumably correspond to either heavily glycosolated form of adenylate cyclase 3 or multimeric forms of the protein. The same blot was simultaneously probed with rabbit polyclonal antibody to GAPDH dilution 1:20,000 in red, which reveals the single band at ~37kDa seen in both transfected and non-transfected cells.

Immunocytochemistry/Immunofluorescence: Adenylate Cyclase 3 Antibody [NBP3-05526] - Immunofluoresence of caudate/putamen region of rat brain stained with Adenylate Cyclase 3 Antibody in red, and chicken antibody to tyrosine hydroxylase, in green. The Blue is Hoechst stain revealing nuclei. The Adenylate Cyclase 3 Antibody reveals neuronal cilia while the tyrosine hydroxylase antibody reveals the axons of chatecholaminergic neurons.









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#### Products Related to NBP3-05526-100ul

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00000109-Q01-10ug	Recombinant Human Adenylate Cyclase 3 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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