

# Product Datasheet

## Phosphodiesterase 4A/PDE4A [p Ser686, p Ser688] Antibody - BSA Free NB300-635-0.05mg

Unit Size: 0.05 mg

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

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### Publications: 1

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**NB300-635-0.05mg**

Phosphodiesterase 4A/PDE4A [p Ser686, p Ser688] Antibody - BSA Free

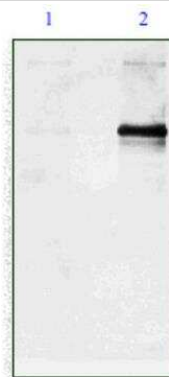
Product Information	
Unit Size	0.05 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris/Glycine buffer pH 7.5-7.9, stabilizing protein, and glycerol

Product Description	
Host	Rabbit
Gene ID	5141
Gene Symbol	PDE4A
Species	Human, Mouse, Rat, Rabbit
Specificity/Sensitivity	This detects all known long-form variants of PDE4A, including PDE4A4, PDE4A5, PDE4A8, PDE4Ax when phosphorylated at the PKA phosphorylation site. It will not cross-react with PDE4A phosphorylated at the ERK phosphorylation site. It does not cross-react with PDE4B, PDE4D or any other member of the PDE family.
Immunogen	Synthetic peptide corresponding to PKA phosphorylation site on PDE4A long form enzymes. The peptide was synthesized with phosphorylated serine.

Product Application Details	
Applications	Western Blot, ELISA, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500, ELISA 1:10000, Immunoprecipitation 1:150
Application Notes	Immunoprecipitation and Western Blot: Detects bands at 66 kDa (PDE4A1), 109 kDa (PDE4A5), 106 kDa(PDE4A8), 102 kDa (PDE4Ax) and 76 kDa (testis specific PDE4A variant). Optimal dilutions and concentrations should be determined by the end user.

**Images**

Western Blot: Phosphodiesterase 4A/PDE4A [p Ser686, p Ser688] Antibody [NB300-635] - Lane 1: PDE4A Western blot positive Control (PDE4A5); Lane 2: Western blot with Phospho-PDE4A5



## Publications

Ale-Agha N, Goy C, Jakobs P et al. CDKN1B/p27 is localized in mitochondria and improves respiration-dependent processes in the cardiovascular system-New mode of action for caffeine PLoS Biol. 2018-06-01 [PMID: 29927970] (WB, Mouse)





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### **Products Related to NB300-635-0.05mg**

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-55923PEP	Phosphodiesterase 4A/PDE4A Recombinant Protein Antigen

### **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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