

nNOS Polyclonal Antibody

Catalog NumberPA1-28182

Product data sheet

Details		Species Reactivity		
Size	7 mL	Species reactivity	Bovine, Human, Mouse, Pig, Rat	
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *	
Class	Polyclonal			
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	Assay-Dependent	
Immunogen	Synthetic peptide (Mouse) (C terminal).			
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.		
Form	Liquid			
Storage Conditions	4° C, do not freeze			

Product specific information

PA1-28182 detects NOS from mouse, bovine, human, rat, porcine samples. PA1-28182 has been successfully used in immunohistochemistry (paraffin tissue) applications. Positive control: HUVEC cells and placenta cells The PA1-28182 immunogen is: Synthetic peptide (Mouse) (C terminal).

Background/Target Information

NOS activity requires homodimerization as well as three cosubstrates (L-arginine, NADPH and O2) and five cofactors or prosthetic groups (FAD, FMN, calmodulin, tetrahydrobiopterin and heme). Several distinct NOS isoforms have been described and been shown to represent the products of three distinct genes. These include two constitutive Ca2+/CaM-dependent forms of NOS, including NOS1 (also designated ncNOS) whose activity was first identified in neurons, and NOS3 (also designated ecNOS), first identified in endothelial cells.

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Product Images For nNOS Polyclonal Antibody



nNOS Antibody (PA1-28182) in IHC
Immunohistochemical analysis of NOS in human placenta tissue using a NOS polyclonal antibody (Product # PA1-28182).

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