

Datasheet for ABIN7074844

**anti-NOS1AP antibody**

5 Images

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## Overview

Quantity:	100 µL
Target:	NOS1AP
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NOS1AP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant protein corresponding to Mouse CAPON/NOS1AP
Cross-Reactivity:	Human, Rat
Purification:	Affinity purification

## Target Details

Target:	NOS1AP
Alternative Name:	CAPON/NOS1AP ( <a href="#">NOS1AP Products</a> )
Background:	CAPON (carboxy-terminal PDZ ligand of nNOS) selectively binds within the 100 amino acid PDZ domain of the neuronal nitric oxide synthase (nNOS), but not to endothelial NOS or inducible NOS, and sequesters nNOS in the cytosol. Biosynthesis of the neurotransmitter nitric oxide (NO) requires the association of nNOS with various synaptic proteins, including syntrophin, postsynaptic density (PSD)95 and PSD93 through a scaffolding PDZ domain. These proteins

## Target Details

facilitate the transport of nNOS to the plasma membrane, where it is catalytically activated by NMDA-receptor mediated calcium channels.

Molecular Weight:	56 kDa
Gene ID:	70729
NCBI Accession:	<a href="#">NP_001103455</a>
UniProt:	<a href="#">Q9D3A8</a>

## Application Details

Application Notes:	WB (H,M,R) 1:500-1:1000, IHC/IF (M,R) 1:2000-1:4000
Restrictions:	For Research Use only

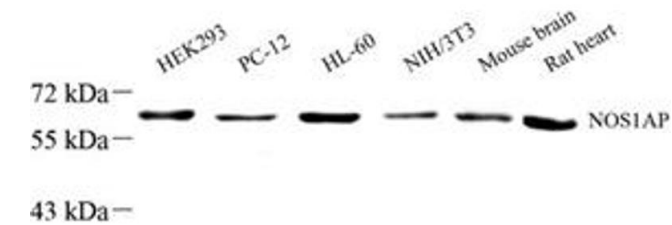
## Handling

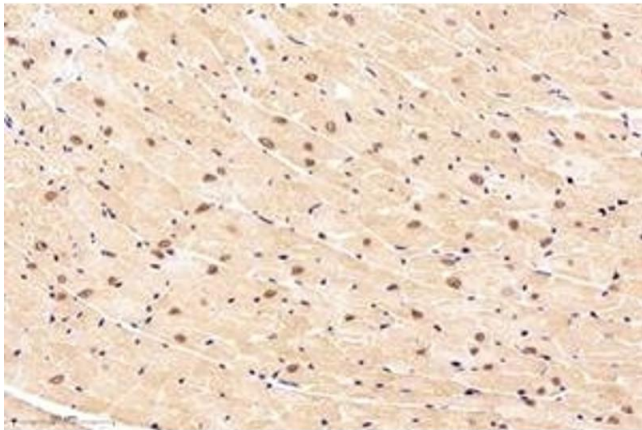
Format:	Liquid
Buffer:	PBS, pH 7.4, 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

## Images

### Western Blotting

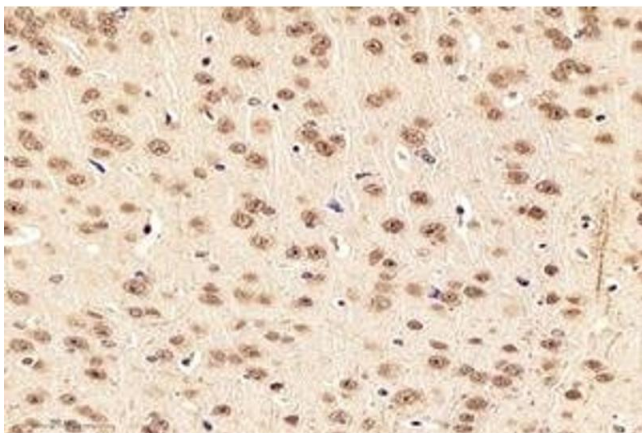
**Image 1.** Western blot analysis of NOS1AP (ABIN7074844) at dilution of 1: 1000





#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Immunohistochemistry analysis of paraffin-embedded mouse heart using NOS1AP (ABIN7074844) at dilution of 1: 4000



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Immunohistochemistry analysis of paraffin-embedded mouse striatum using NOS1AP (ABIN7074844) at dilution of 1:4000

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7074844.