

Datasheet for ABIN953737

**anti-NOS1AP antibody (Middle Region)****2** Images[Go to Product page](#)

## Overview

Quantity:	0.4 mL
Target:	NOS1AP
Binding Specificity:	AA 444-474, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NOS1AP antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the central region (between 444-474aa) of human NOS1AP
Isotype:	Ig Fraction
Specificity:	This antibody recognizes human NOS1AP.
Purification:	Purified through a Protein A column followed by peptide affinity purification

## Target Details

Target:	NOS1AP
Alternative Name:	NOS1AP ( <a href="#">NOS1AP Products</a> )
Background:	The NOS1AP gene encodes a cytosolic protein that binds to the signaling molecule, neuronal

## Target Details

nitric oxide synthase (nNOS). This protein has a C-terminal PDZ-binding domain that mediates interactions with nNOS and an N-terminal phosphotyrosine binding (PTB) domain that binds to the small monomeric G protein, Dexas1. Studies of the related mouse and rat proteins have shown that this protein functions as an adapter protein linking nNOS to specific targets, such as Dexas1 and the synapsins. Alternative splicing results in multiple transcript variants encoding different isoforms. Synonyms: CAPON, Carboxyl-terminal PDZ ligand of neuronal nitric oxide synthase protein, KIAA0464

Molecular Weight: 56150 Da

Gene ID: 9722

NCBI Accession: [NP\\_001158229](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS with 0.09 % (W/V) Sodium azide

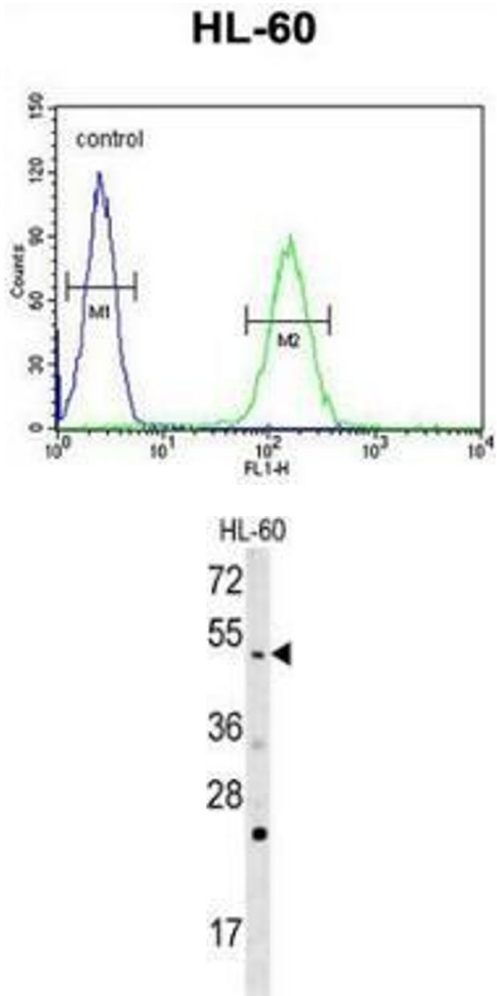
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Flow Cytometry

**Image 1.** Flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram) using NOS1AP Antibody , followed by FITC-conjugated goat-anti-rabbit secondary antibodies.

Western Blotting

**Image 2.** Western blot analysis in HL-60 cell line lysates (35ug/lane) using NOS1AP Antibody . This demonstrates this antibody detected the NOS1AP protein (arrow).