

Datasheet for ABIN7161019  
**anti-NOX01 antibody (AA 304-376)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	100 µg
Target:	NOX01
Binding Specificity:	AA 304-376
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NOX01 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human NADPH oxidase organizer 1 protein (304-376AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	NOX01
Alternative Name:	NOX01 ( <a href="#">NOX01 Products</a> )
Background:	Background: Constitutively potentiates the superoxide-generating activity of NOX1 and NOX3 and is required for the biogenesis of otoconia/otolith, which are crystalline structures of the

## Target Details

inner ear involved in the perception of gravity. Isoform 3 is more potent than isoform 1 in activating NOX3. Together with NOXA1, may also substitute to NCF1/p47phox and NCF2/p67phox in supporting the phagocyte NOX2/gp91phox superoxide-generating activity. Aliases: NADPH oxidase organizer 1 antibody, NADPH oxidase regulatory protein antibody, Nox organizer 1 antibody, Nox organizing protein 1 antibody, Nox-organizing protein 1 antibody, NOXO1 antibody, NOXO1\_HUMAN antibody, P41NOX antibody, Regulatory protein P41NOX antibody, SH3 and PX domain-containing protein 5 antibody, SH3PXD5 antibody

UniProt: [Q8NFA2](#)

## Application Details

Application Notes: Recommended dilution: IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

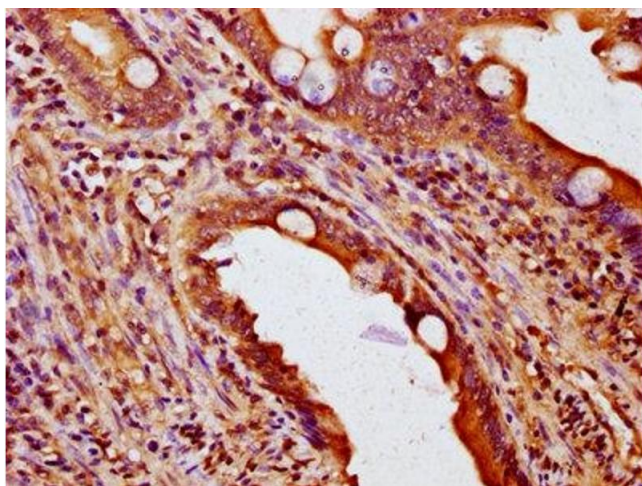
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

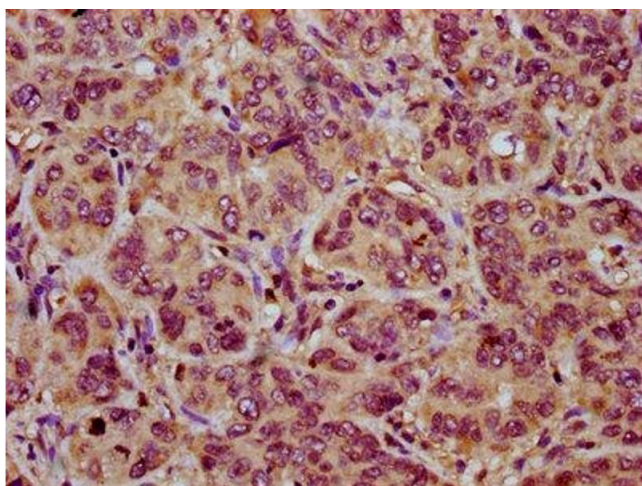
Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



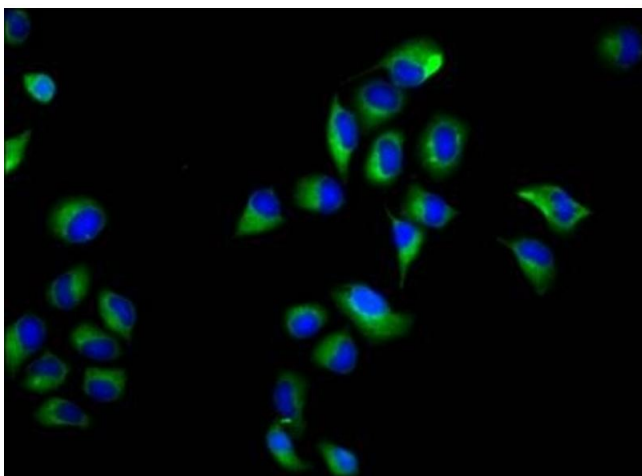
#### Immunohistochemistry

**Image 1.** IHC image of ABIN7161019 diluted at 1:200 and staining in paraffin-embedded human small intestine tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



#### Immunohistochemistry

**Image 2.** IHC image of ABIN7161019 diluted at 1:200 and staining in paraffin-embedded human liver cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



#### Immunofluorescence

**Image 3.** Immunofluorescence staining of HeLa cells with ABIN7161019 at 1:66, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).