

# NOXA2/p67phox Rabbit pAb

Catalog No.: A1178 **3 Publications**

## Basic Information

### Observed MW

68kDa

### Calculated MW

60kDa

### Category

Primary antibody

### Applications

WB,IF-P,ELISA

### Cross-Reactivity

Human, Mouse

## Background

This gene encodes neutrophil cytosolic factor 2, the 67-kilodalton cytosolic subunit of the multi-protein NADPH oxidase complex found in neutrophils. This oxidase produces a burst of superoxide which is delivered to the lumen of the neutrophil phagosome. Mutations in this gene, as well as in other NADPH oxidase subunits, can result in chronic granulomatous disease, a disease that causes recurrent infections by catalase-positive organisms. Alternative splicing results in multiple transcript variants encoding different isoforms.

## Recommended Dilutions

**WB** 1:500 - 1:2000

**IF-P** 1:100 - 1:400

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

4688

### Swiss Prot

P19878

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

NCF-2; NOXA2; P67PHOX; P67-PHOX; NOXA2/p67phox

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

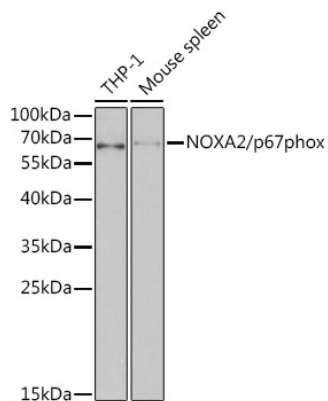
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

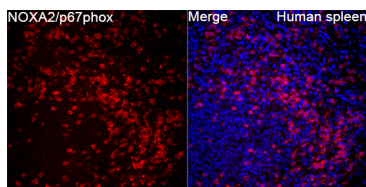
Buffer: PBS with 0.09% sodium azide, 50% glycerol, pH 7.3.

## Validation Data

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Western blot analysis of various lysates using NOXA2/p67phox Rabbit pAb (A1178) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.



Immunofluorescence analysis of Human spleen tissue using NOXA2/p67phox Rabbit pAb (A1178) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.