

A22149

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## NADPH oxidase 4 (NOX4) Rabbit mAb

Catalog No.: A22149

Recombinant

4 Publications

### Basic Information

#### Observed MW

62kDa

#### Calculated MW

67KDa

#### Category

SMab Recombinant Monoclonal Antibody

#### Applications

WB,IF/ICC,ELISA

#### Cross-Reactivity

Human,Mouse,Rat

#### CloneNo number

ARC55045

### Background

This gene encodes a member of the NOX-family of enzymes that functions as the catalytic subunit the NADPH oxidase complex. The encoded protein is localized to non-phagocytic cells where it acts as an oxygen sensor and catalyzes the reduction of molecular oxygen to various reactive oxygen species (ROS). The ROS generated by this protein have been implicated in numerous biological functions including signal transduction, cell differentiation and tumor cell growth. A pseudogene has been identified on the other arm of chromosome 11. Alternative splicing results in multiple transcript variants.

### Recommended Dilutions

WB	1:500 - 1:1000
IF/ICC	1:50 - 1:200

### Immunogen Information

#### Gene ID

50507

#### Swiss Prot

Q9NPH5

#### Immunogen

Recombinant protein of human NADPH oxidase 4 (NOX4)

#### Synonyms

KOX; KOX-1; RENOX; NADPH oxidase 4 (NOX4)

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

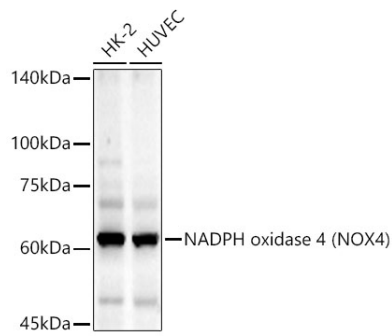
Affinity purification

#### Storage

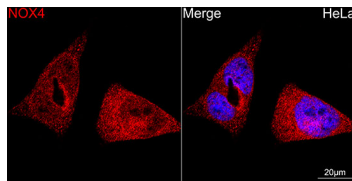
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

## Validation Data



Western blot analysis of various lysates, using NADPH oxidase 4 (NOX4) Rabbit mAb (A22149) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 90s.



Confocal imaging of HeLa cells using NADPH oxidase 4 (NOX4) Rabbit mAb (A22149, dilution 1:100) (Red). DAPI was used for nuclear staining (blue). Objective: 60x.