

## NOXA1 Rabbit pAb

CatalogNo: YN3029

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human,Rat,Mouse,

#### Applications

- WB,ELISA

#### MW

- 52kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

**WB 1:500-2000**

**ELISA 1:5000-20000**

### Storage

#### Storage\*

-15°C to -25°C/1 year(Do not lower than -25°C)

#### Formulation

Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

### Basic Information

#### Clonality

Polyclonal

### Immunogen Information

#### Immunogen

Synthesized peptide derived from part region of human protein

#### Specificity

NOXA1 Polyclonal Antibody detects endogenous levels of protein.

### Target Information

#### Gene name

NOXA1 P51NOX

**Protein Name** NADPH oxidase activator 1 (NOX activator 1) (Antigen NY-CO-31) (NCF2-like protein) (P67phox-like factor) (p51-nox)

Organism	Gene ID	UniProt ID
Human	<a href="#">10811</a> ;	<a href="#">Q86UR1</a> ;
Mouse		<a href="#">Q8CJ00</a> ;
Rat		<a href="#">A7E3N7</a> ;

**Cellular Localization** Cytoplasm. Cell membrane. Translocation to membranes depends on NOXO1 or NCF1 and maybe RAC1.

**Tissue specificity** Widely expressed. Detected in pancreas, liver, kidney, spleen, prostate, small intestine and colon.

**Function** developmental stage:Expressed in fetal kidney.,Domain:The SH3 domain mediates interaction with NOXO1 and NCF1 and has autoregulatory function.,Domain:The TPR repeats mediate interaction with RAC1.,Function:Functions as an activator of NOX1, a superoxide-producing NADPH oxidase. Functions in the production of reactive oxygen species (ROS) which participate in a variety of biological processes including host defense, hormone biosynthesis, oxygen sensing and signal transduction. May also activate CYBB/gp91phox and NOX3.,PTM:Interaction with YWHAZ depends on phosphorylation by PKA.,similarity:Belongs to the NCF2/NOXA1 family.,similarity:Contains 1 OPR domain.,similarity:Contains 1 SH3 domain.,similarity:Contains 4 TPR repeats.,subcellular location:Translocation to membranes depends on NOXO1 or NCF1 and maybe RAC1.,subunit:NOX1, NOXA1, NOXO1, RAC1 and CYBA forms a functional multimeric complex supporting ROS production. Interaction with YWHAZ prevents the interaction of NOXA1 with NOXO1 and RAC1 and its targeting to membranes, hence reducing its ability to activate NOX1.,tissue specificity:Widely expressed. Detected in pancreas, liver, kidney, spleen, prostate, small intestine and colon.,

## Validation Data

## Contact information

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