

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	10811 ;	Q86UR1 ;
Mouse		Q8CJ00 ;
Rat		A7E3N7 ;

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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