

Anti-Nox4 antibody



Catalog Number: 175587

Product name

Anti-Nox4 antibody

Specificity

Human, Mouse, Rat, Dog, Cow, Horse

Antibody description

Rabbit polyclonal antibody to Nox4

Preparation

This antigen of this antibody was klh conjugated synthetic peptide derived from human nox-4 81-180/578

Formulation

Liquid, 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Storage

Store at -20°C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4°C.

Clonality

Polyclonal

Ig Type

Rabbit IgG

Applications

WB, IHC-P, FC

Dilutions

WB:1:500-2000

IHC-P:1:400-800

FC:1µg/Test

Validations

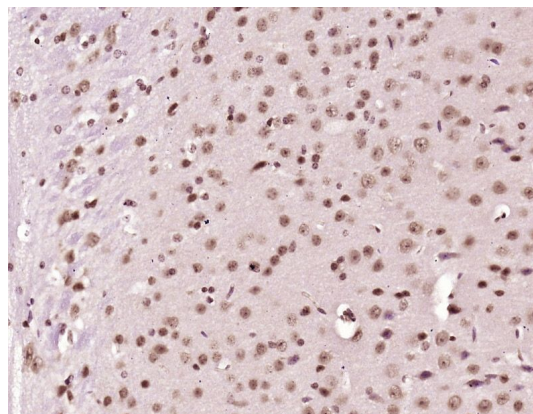


Fig1: Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NADPH oxidase 4) Polyclonal Antibody, Unconjugated at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

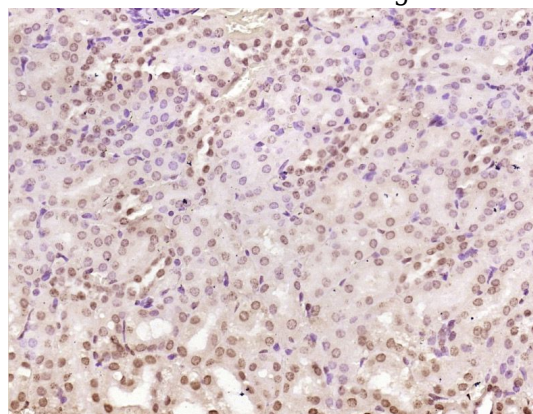


Fig2: Paraformaldehyde-fixed, paraffin embedded (Mouse kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NADPH oxidase 4) Polyclonal Antibody, Unconjugated at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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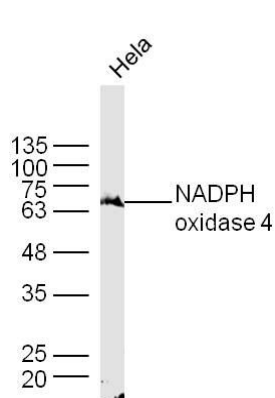
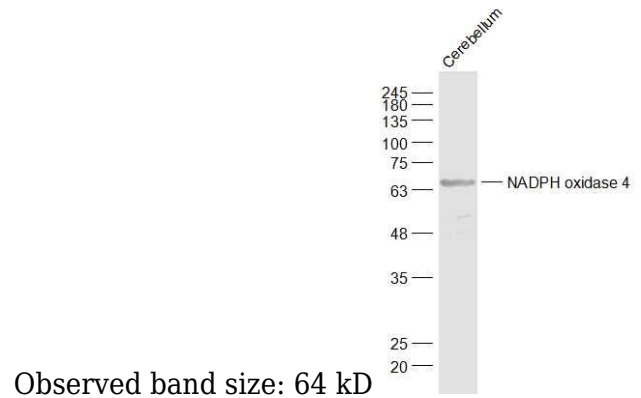
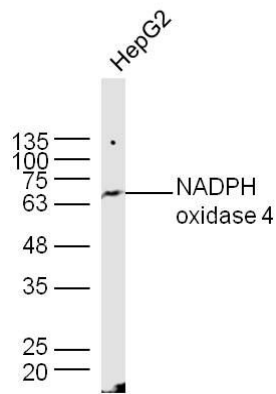


Fig3: Sample: HeLa Cell Lysate at 40 ug; Primary: Anti- NADPH oxidase 4 at 1/300 dilution; Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution; Predicted band size: 64 kD;



Observed band size: 64 kD

Fig6: Sample: Cerebellum (Mouse) Lysate at 40 ug; Primary: Anti-NADPH oxidase 4 at 1/1000 dilution; Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution; Predicted band size: 64 kD; Observed band size: 64 kD



Observed band size: 64 kD

Fig4: Sample: HepG2 Cell Lysate at 40 ug; Primary: Anti- NADPH oxidase 4 at 1/300 dilution; Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution; Predicted band size: 64 kD;

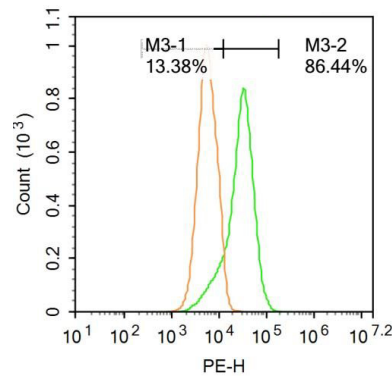
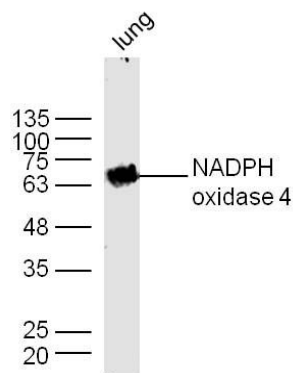
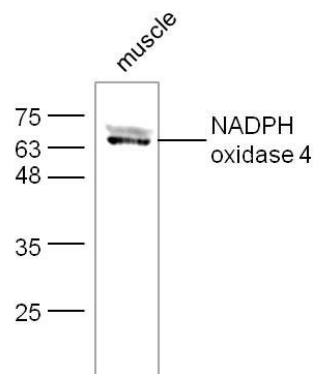


Fig7: Blank control: Raji.; Primary Antibody (green line): Rabbit Anti-NADPH oxidase 4 antibody ; Dilution: 1µg /10⁶ cells;; Isotype Control Antibody (orange line): Rabbit IgG .; Secondary Antibody : Goat anti-rabbit IgG-PE;



Observed band size: 64 kD

Fig5: Sample: Lung (Mouse) Lysate at 40 ug; Primary: Anti- NADPH oxidase4 at 1/300 dilution; Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution; Predicted band size: 64 kD;



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Fig8: Sample: muscle (Mouse) Lysate at 40 ug; Primary: Anti-NADPH oxidase 4 at 1/300 dilution; Secondary: IRDye800CW Goat Anti-Rabbit IgG at

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1/20000 dilution; Predicted band size: 64 kD;
Observed band size: 64 kD

Fig9: Sample:; heart (Mouse) Lysate at 40 ug;
Primary: Anti-NADPH oxidase 4 at 1/300 dilution;
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution; Predicted band size: 64 kD;
Observed band size: 64 kD

