

Product name

Anti-Nox4 antibody

FC:1µg/Test

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

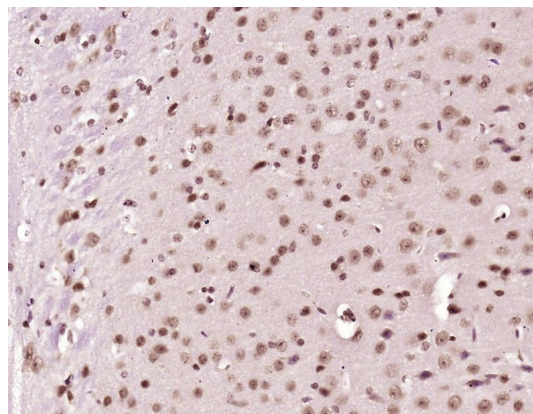
Validations

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.

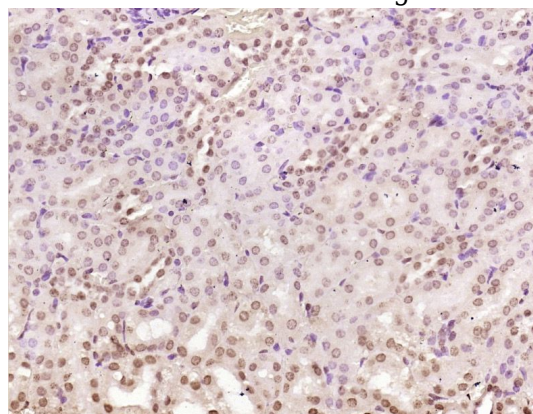


Fig2: Paraformaldehyde-fixed, paraffin embedded (Mouse kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NADPH oxidase 4)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

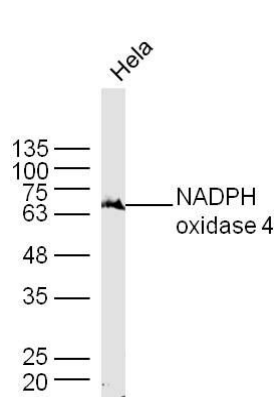
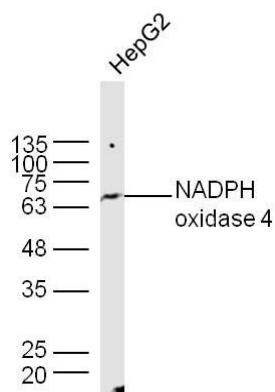
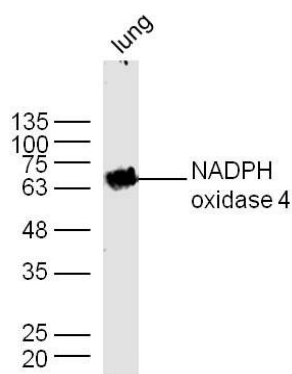


Fig3: Sample: Hela Cell Lysate at 40 ug; Primary: Anti- NADPH oxidase 4 at 1/300 dilution; Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution; Predicted band size: 64 kD;



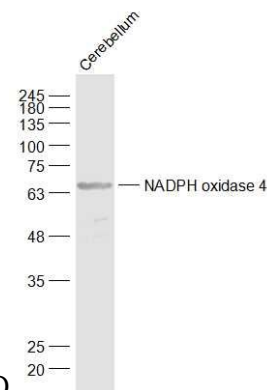
Observed band size: 64 kD

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;



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;



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

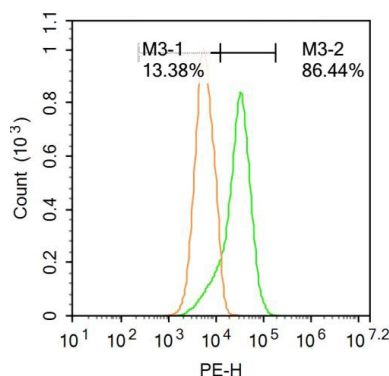
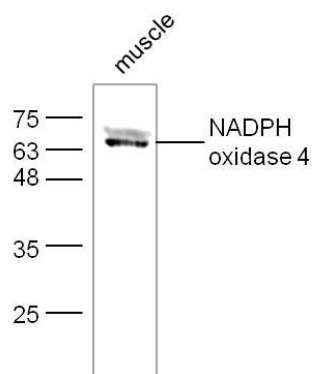


Fig7: Blank control: Raji.; Primary Antibody (green line): Rabbit Anti-NADPH oxidase 4 antibody ; Dilution: 1µg /10⁶ cells;; Isotype Control Antibody (orange line): Rabbit IgG .; Secondary Antibody : Goat anti-rabbit IgG-PE;



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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

Anti-Nox4 antibody



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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

