

Anti-NOX1 Polyclonal Antibody

Product Details

Ig Type: IgG
Reactivity: Human, Mouse (predicted: Rat, Dog, Cow, Horse, Rabbit)
Molecular Weight: Theoretical: 62 kDa. Actual: 58 kDa.
Purification: Protein A purified

Applications

1. Sample: Testis (Mouse) Lysate at 40 µg
Primary: Anti-Nox1 (TMAB-01254) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/10000 dilution
Predicted band size: 62 kDa
Observed band size: 57 kDa

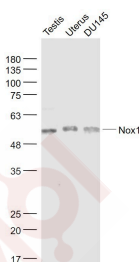
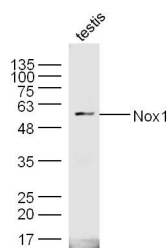
2. Sample:

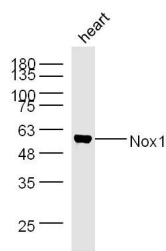
Testis (Mouse) Lysate at 40 µg
Uterus (Mouse) Lysate at 40 µg
DU145 (Human) Cell Lysate at 30 µg

Verified Activity: Primary: Anti-Nox1 (TMAB-01254) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 62 kDa
Observed band size: 60 kDa

3. Sample:

Heart (Mouse) Lysate at 40 µg
Primary: Anti-Nox1 (TMAB-01254) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 62 kDa
Observed band size: 62 kDa





Application: WB

Recommended WB: 1:500-2000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Nox1

Antigen Species: Human

Gene ID: 27035

Uniprot ID: Q9Y5S8

Synonyms: NOX-1; Mitogenic oxidase 1 (MOX-1); NADH/NADPH mitogenic oxidase subunit P65-MOX; NOH1; NOH-1; NOX1; NADPH oxidase 1; MOX1

Biology Area: Oxidative Stress, DNA Damage Response, Cytotoxic Cells, Nucleotide metabolism, Oxidative stress, Channels

Research Background

The NOX family NADPH protein oxidases are involved in transfer of electrons across membranes to generate reactive oxygen species. There are 7 family members - NOX1-5, DUOX1 and DUOX2. Expression of NOX1 is highest in colon tissue; it is also found in vascular tissue and can also be induced by a variety of factors including PDGF. It requires interaction with NOXO1 and NOXA1 for superoxide generation.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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