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# EB11090 - Goat Anti-DUOX1 (aa972-985) Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

**Principal Names:** dual oxidase 1, flavoprotein NADPH oxidase, large NOX 1, LNOX1, long NOX 1, MGC138840, MGC138841, NADPH thyroid oxidase 1, nicotinamide adenine dinucleotide phosphate oxidase, NOXEF1, THOX1, thyroid oxidase 1, DUOX1

Official Symbol: DUOX1

Accession Number(s): NP\_059130.2

Human GeneID(s): 53905

Important Comments: Reported variants represent identical protein: NP\_787954.1,

NP\_059130.2. This antibody is not expected to cross-react with DUOX2.

## Immunogen

Peptide with sequence CSRSDIETELTPQR, from the internal region of the protein sequence according to NP\_059130.2.

Please note the peptide is available for sale.

## **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Aliquot and store at -20°C. Minimize freezing and thawing.

## **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:128000.

**Western blot:** Approx 170kDa band observed in Human Testis lysates (calculated MW of 177kDa according to NP\_059130.2). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour. An additional band of unknown identity was also consistently observed at 140kDa. This band was successfully blocked by incubation with the immunizing peptide.

# **Species Reactivity**

Tested: Human

Expected from sequence similarity: Human

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa

15kDa

EB11090 (0.1 $\mu$ g/ml) staining of Human Testis lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.