

#### **International Office**

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# EB12641 - Goat Anti-lysyl oxidase Antibody

Size: 100µg specific antibody in 200µl



### **Target Protein**

Principal Names: LOX, lysyl oxidase, protein-lysine 6-oxidase

Official Symbol: LOX

Accession Number(s): NP\_002308.2; NP\_001171573.1

Human GeneID(s): 4015

Important Comments: This antibody is expected to recognize both reported isoforms

(NP\_002308.2; NP\_001171573.1).

### **Immunogen**

Peptide with sequence C-STAYRADVRDYDHR, from the internal region of the protein sequence according to NP\_002308.2; NP\_001171573.1.

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**

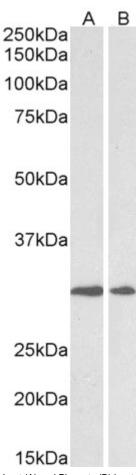
Peptide ELISA: antibody detection limit dilution 1:128000.

**Western blot:** Approx 30-33kDa band observed in Human Heart and Human Placenta lysates (calculated MW of 46.9kDa according to NP\_002308.2). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Kuivaniemi et al, J Biol Chem. 1984 Jun 10;259(11):6996-7002). Recommended concentration: 0.3-1μg/ml.

### **Species Reactivity**

Tested: Human

Expected from sequence similarity: Human, Pig



EB12641 (0.5μg/ml) staining of Human Heart (A) and Placenta (B) lysates (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.