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Research Use Only. Not for diagnostic or therapeutic use.

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 GenelD(s): <u>4015</u> 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

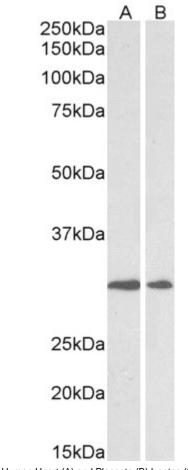
Peptide ELISA: antibody detection limit dilution 1:128000.

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.