

LOX polyclonal antibody

Catalog: BS90804

Host: Rabbit

Reactivity: Human, Mouse, Rat, Zebrafish

BackGround:

The lysyl oxidase family of extracellular proteins includes LOX and four LOX-like enzymes, which are responsible for the deamination of peptidyl lysine residues of collagens and elastin. They also catalyze inter- and intra-crosslinking reactions. Overexpression of LOX may cause severe fibrotic degeneration due to its high resistance to degradative enzymes. Procollagen C-proteinase activity processes LOX from a precursor protein to a mature form. Activation of LOX occurs in normal developing and adult skin, and alterations in LOX expression and activity are associated with skin aging and senescence. LOX is crucial for development of the cardiovascular and respiratory systems. In addition, LOX plays a role in cancer, wound healing, as well as cell motility, chemotaxis and differentiation.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

50 kDa

Swiss-Prot:

P28300(Human) P28301(Mouse) P16636(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:2,000

ICC:1:100-1:500

IHC:1:50-1:100

FC:1:50-1:100

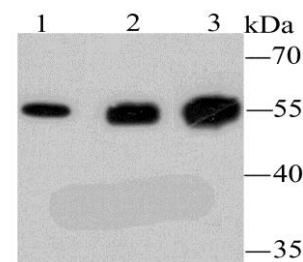
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

Specificity:

LOX polyclonal antibody detects endogenous levels of LOX protein.

DATA:



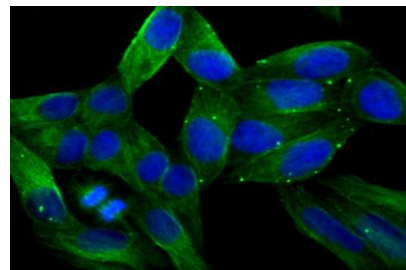
Western blot analysis of LOX on different lysates using anti-LOX antibody at 1/1,000 dilution.

Positive control:

Lane 1: Jurkat

Lane 2: Mouse brain

Lane 3: Human fetal brain



ICC staining LOX in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

For research use only, not for use in diagnostic procedure.

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