

Rabbit anti-Human LOXL2 Polyclonal Antibody | anti-LOXL2 antibody

Anti-LOXL2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA259490	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

LOXL2; Polyclonal Antibody; Anti-LOXL2 Antibody; Rabbit Polyclonal; LOXL2 Antibody; Rabbit PAb; Antigen Affinity Purified; lysyl oxidase-like 2; Anti-LOR Antibody; Anti-LOR2 Antibody; Anti-WS9-14 Antibody; anti-LOXL2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human LOXL2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-LOXL2 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human LOXL2
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human LOXL2, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

IMAGES



IP (Immunoprecipitation)

LOXL2 was immunoprecipitated using: Lane A:0.5 mg A549 Whole Cell Lysate 4 uL anti-LOXL2 rabbit polyclonal antibody and 60ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-LOXL2 rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 87 kDa Observed band size :105 kDa



IHC (Immunohistochemistry)

Immunochemical staining of human LOXL2 in human testis with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-LOXL2 rabbit polyclonal antibody at 1:500 dilution Lane A: A549 Whole Cell Lysate Lysates/proteins at 30ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 87 kDa Observed band size: 87 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-LOXL2 antibody	Lysyl oxidase homolog 2, also known as Lysyl oxidase-like protein 2, Lysyl oxidase-related protein 2, Lysyl oxidase-related protein WS9-14 and LOXL2, is a secreted protein that belongs to the lysyl oxidase family. LOXL2 contains four SRCR domains. The lysyl oxidase family is made up of five members: lysyl oxidase (LOX) and lysyl oxidase-like 1-4 (LOXL1, LOXL2, LOXL3, LOXL4). All members share conserved C-terminal catalytic domains that provide for lysyl oxidase or lysyl oxidase-like enzyme activity; and more divergent propeptide regions. LOX family enzyme activities catalyze the final enzymatic conversion required for the formation of normal biosynthetic collagen and elastin cross-links. LOXL2 is expressed by pre-hypertrophic and hypertrophic chondrocytes in vivo, and that LOXL2 expression is regulated in vitro as a function of chondrocyte differentiation. LOXL2 promotes chondrocyte differentiation by mechanisms that are likely to include roles as both a regulator and an effector of chondrocyte differentiation. LOXL2 expression could also be explored as a molecular target in the prevention of breast cancer progression.
References	Peng, L. e. al.. 2009. Carcinogenesis. 3. (10):1660-9. Hollosi, P. e. al.. 2009. In. . Cancer. 125(2):318-27. Rückert, F. e. al.. 2010. In. . Colorecta. Dis. 25(3):303-11. Iftikhar, M. e. al., 2011. . Bio. Chem. 286(2):909-18.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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