Product datasheet Anti-LOXL2 Antibody Catalog Number: PB0759



Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator, East Lake High-Tech Development Zone, Wuhan.

Web: www.boster.com Phone: 027-67845390/1/2 Email: boster@boster.com

Basic Information	
Product Name	Anti-LOXL2 Antibody
Gene Name	LOXL2
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human LOXL2 different from the related mouse and rat sequences by four amino acids.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	105 kDa
Dilution Ratios	Western blot (WB):1:500-2000

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

Lysyl oxidase homolog 2 is an enzyme that in humans is encoded by the LOXL2 gene. This gene encodes a member of the lysyl oxidase gene family. The prototypic member of the family is essential to the biogenesis of connective tissue, encoding an extracellular copper-dependent amine oxidase that catalyses the first step in the formation of crosslinks in collagens and elastin. A highly conserved amino acid sequence at the C-terminus end appears to be sufficient for amine oxidase activity, suggesting that each family member may retain this function. The N-terminus is poorly conserved and may impart additional roles in developmental regulation, senescence, tumor suppression, cell growth control, and chemotaxis to each member of the family. LOXL2 can also crosslink°Collagen type IV and hence influence the sprouting of new blood vessels.

Reference

Anti-LOXL2 Antibody被引用在3文献中。

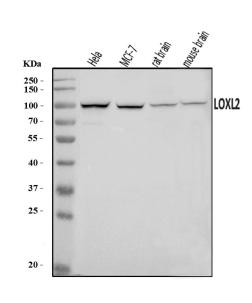


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Selected Validation Data



Western blot analysis of LOXL2 using anti-LOXL2 antibody (PB0759). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: Hela whole cell lysates,

Lane 2: MCF-7 whole cell lysates,

Lane 3: rat brain tissue lysates,

Lane 4: mouse brain tissue lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-LOXL2 antigen affinity purified polyclonal antibody (PB0759) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for LOXL2 at approximately 105 kDa. The expected band size for LOXL2 is at 87 kDa.