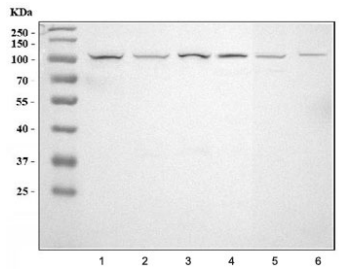
LOXL2 Antibody (R32365)

Catalog No.	Formulation	Size
R32365	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q9Y4K0
Applications	Western Blot : 0.5-1ug/ml
Limitations	This LOXL2 antibody is available for research use only.



Western blot testing of 1) human HeLa, 2) human MCF7, 3) human MDA-MB-453, 4) rat brain, 5) mouse brain and 6) mouse lung lysate with LOXL2 antibody. Predicted molecular weight ~87 kDa, commonly observed at 87-105 kDa.

Description

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.

Application Notes

Optimal dilution of the LOXL2 antibody should be determined by the researcher.

Immunogen

Amino acids HRIWMYNCHIGGSFSEETEKKFEHFSGLLNNQ of human Lysyl oxidase homolog 2 were used as the immunogen for the LOXL2 antibody.

Storage

After reconstitution, the LOXL2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.