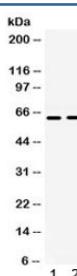


## LOXL1 Antibody (R32201)

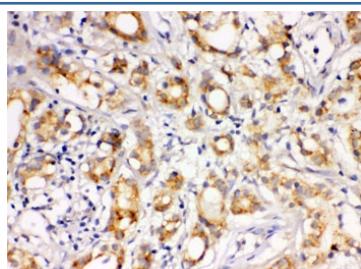
Catalog No.	Formulation	Size
R32201	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>UniProt</b>	Q08397
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Western Blot : 0.1-0.5ug/ml IHC (FFPE) : 0.5-1ug/ml
<b>Limitations</b>	This LOXL1 antibody is available for research use only.



Western blot testing of human 1) A549 and 2) HeLa lysate with LOXL1 antibody.  
Expected/observed molecular weight ~63 kDa.



IHC testing of FFPE human prostate cancer tissue with LOXL1 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

## Description

Lysyl oxidase homolog 1 is an enzyme which in humans is encoded by the LOXL1 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.

## Application Notes

Optimal dilution of the LOXL1 antibody should be determined by the researcher.

## Immunogen

Amino acids AEEKCLASTAYAPEATDYDVRVLLRFPQR of human Lysyl oxidase homolog 1 were used as the immunogen for the LOXL1 antibody.

## Storage

After reconstitution, the LOXL1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.