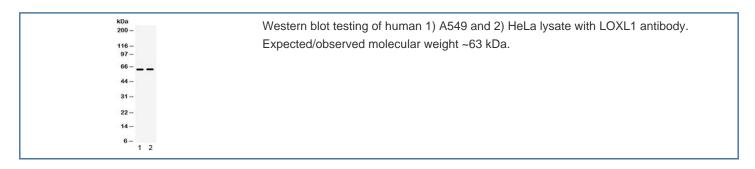


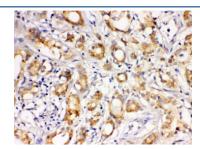
# LOXL1 Antibody (R32201)

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

## **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human
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	Q08397
Localization	Cytoplasmic
Applications	Western Blot : 0.1-0.5ug/ml IHC (FFPE) : 0.5-1ug/ml
Limitations	This LOXL1 antibody is available for research use only.





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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.