

# IHC*easy* LOX Ready-To-Use IHC Kit

Catalog Number: **KHC0630**

## General Information

**Sample type:**  
FFPE tissue

**Cited sample type:**

**Reactivity:**  
Human, Mouse, Rat

**Cited Reactivity:**

**Assay type:**  
Immunohistochemistry

**Primary antibody type:**  
Rabbit Polyclonal

**Secondary antibody type:**  
Polymer-HRP-Goat anti-Rabbit

## Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

## Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

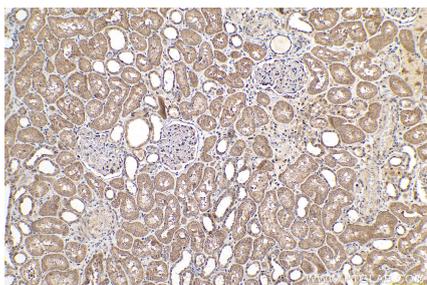
## Background

LOX is a member of a multigene family (LOX, LOXL, LOXL2, LOXL3, and LOXL4). Lysyl oxidase (LOX), a copper-dependent enzyme, plays a critical role in the formation and repair of the extracellular matrix (ECM) by catalyzing the crosslinking of elastin and collagen. LOX expression appears to be upregulated in malignancies and has recently been suggested to play a role in regulating tumor metastasis.

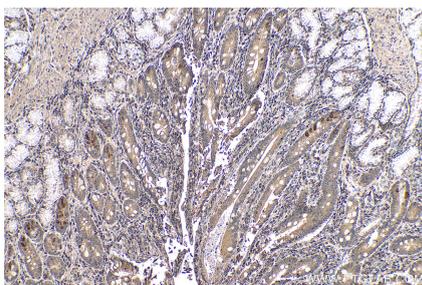
## Synonyms

LOX, lysyl oxidase, Protein lysine 6 oxidase

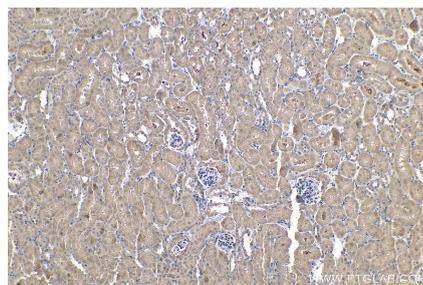
## Selected Validation Data



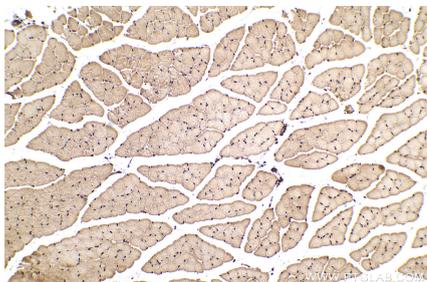
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using KHC0630 (LOX IHC Kit).



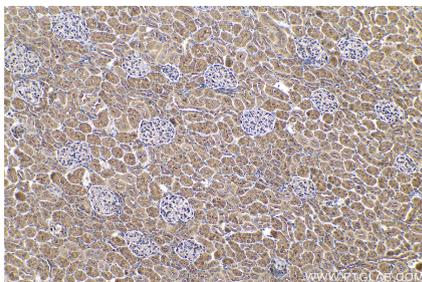
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using KHC0630 (LOX IHC Kit).



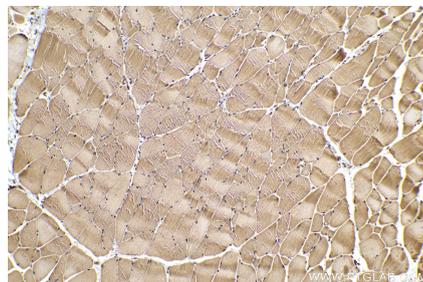
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using KHC0630 (LOX IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using KHC0630 (LOX IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using KHC0630 (LOX IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue slide using KHC0630 (LOX IHC Kit).