



# Mouse anti-Human LOXL4 monoclonal antibody, clone 5I8 (CABT-B10585)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	LOXL4 (NP_115587, 657 a.a. ~ 756 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Isotype</b>	IgG3
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	5I8
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB,sELISA,ELISA
<b>Sequence Similarities</b>	ACANFGEQGVTVGCWDTYRHDIDCQWVDITDVGPGNYIFQVIVNPHYEVAESDFSNNMLQ CRCKYDGHRVWLHNCHTGNSYPANAELSLEQEQRRLNNL*
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	In 1x PBS, pH 7.2
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## BACKGROUND

<b>Introduction</b>	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. [provided by RefSeq, Jul 2008]

---

**Keywords** LOXL4; lysyl oxidase-like 4; LOXC; lysyl oxidase homolog 4; lysyl oxidase related C; lysyl oxidase-like protein 4; lysyl oxidase-like 4 pseudogene; lysyl oxidase-related protein C;

---

## GENE INFORMATION

**Entrez Gene ID** [84171](#)

**UniProt ID** [Q96JB6](#)

**Function** copper ion binding; metal ion binding; oxidoreductase activity; oxidoreductase activity, acting on the CH-NH<sub>2</sub> group of donors, oxygen as acceptor; protein binding; scavenger receptor activity

---