



# LOXL3 mouse mAb

<b>Catalog No</b>	YP-mAb-08882
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	LOXL3 LOXL
<b>Protein Name</b>	LOXL3
<b>Immunogen</b>	Synthesized peptide derived from human LOXL3 AA range: 130-180
<b>Specificity</b>	This antibody detects endogenous levels of LOXL3 at Human/Mouse
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1: 500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Calculated Molecular Weight</b>	83kD
<b>Observed Band</b>	
<b>Cell Pathway</b>	Secreted, extracellular space . Cytoplasm . Nucleus . It is unclear how LOXL3 is both intracellular (cytoplasmic and nuclear) and extracellular: it contains a clear signal sequence and is predicted to localize in the extracellular medium. However, the intracellular location is clearly reported and at least another protein of the family (LOXL2) also has intracellular and extracellular localization despite the presence of a signal sequence (PubMed:28065600). .; [Isoform 1]: Secreted, extracellular space .; [Isoform 2]: Cytoplasm . Secreted, extracellular space .
<b>Tissue Specificity</b>	Isoform 1: Predominantly detected in the heart, placenta, lung, and small intestine (PubMed:17018530). Isoform 2: Highly detected in the kidney, pancreas, spleen, and thymus, and is absent in lung (PubMed:17018530). In eye, present in all layers of corneas as well as in the limbus and conjunctiva (at protein level) (PubMed:26218558).
<b>Function</b>	cofactor:Contains 1 lysine tyrosylquinone.,cofactor:Copper.,PTM:The lysine tyrosylquinone cross-link (LTQ) is generated by condensation of the epsilon-amino group of a lysine with a topaquinone produced by oxidation of tyrosine.,similarity:Belongs to the lysyl oxidase family.,similarity:Contains 4 SRCR domains.,tissue specificity:Expressed in many tissues, the highest levels among the tissues studied being seen in the placenta, heart, ovary, testis, small intestine and spleen.,



## Background

This gene encodes a lysyl oxidase, which likely functions as an amine oxidase and plays a role in the formation of crosslinks in collagens and elastin. Deletion of the related gene in mouse causes neonatal mortality with cleft palate, spine deformity, and defects in collagen organization. A mutation in this gene was found in a family with Stickler syndrome. [provided by RefSeq, Sep 2016],

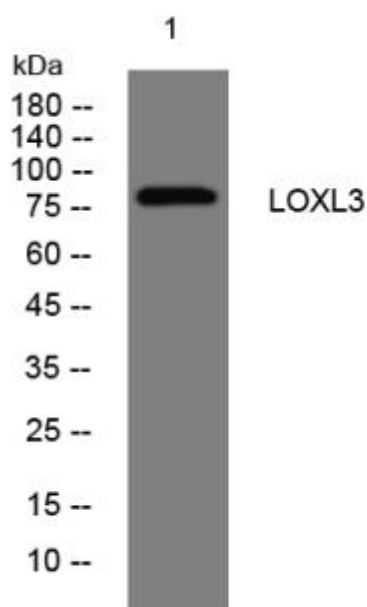
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night