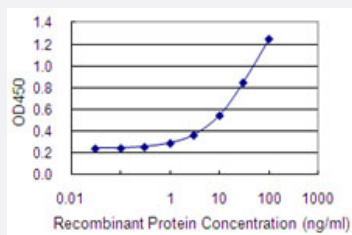


LOXL4 monoclonal antibody (M01), clone 4H7

Catalog # H00084171-M01

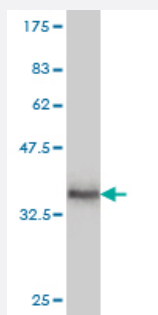
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged LOXL4 is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant LOXL4.
Immunogen	LOXL4 (NP_115587, 657 a.a. ~ 755 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	ACANFGEQGVTVGCWDTYRHDIDCQWVDITDVGP GNYIFQV VNP HYEVAESDFSNNMLQCRCK YDGH RVWLHNCHTGNSYPANAELSLEQEQRLRNNL
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (86); Rat (85)
Isotype	IgG3 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged LOXL4 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — LOXL4

Entrez GeneID	84171
GeneBank Accession#	NM_032211
Protein Accession#	NP_115587
Gene Name	LOXL4
Gene Alias	FLJ21889, LOXC
Gene Description	lysyl oxidase-like 4
Omim ID	607318
Gene Ontology	Hyperlink

Gene Summary

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]

Other Designations

OTTHUMP00000020243||lysyl oxidase homolog 4||lysyl oxidase related C

Publication Reference

- [Matrix stiffness-upregulated LOXL2 promotes fibronectin production, MMP9 and CXCL12 expression and BMDCs recruitment to assist pre-metastatic niche formation.](#)

Wu S, Zheng Q, Xing X, Dong Y, Wang Y, You Y, Chen R, Hu C, Chen J, Gao D, Zhao Y, Wang Z, Xue T, Ren Z, Cui J.

Journal of Experimental & Clinical Cancer Research 2018 May; 37(1):99.

Application: WB-Ce, Human, MHCC97H, Hep3B cells

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Intracranial Aneurysm](#)