

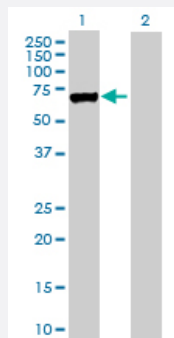
MaxPab®

LOXL1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00004016-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

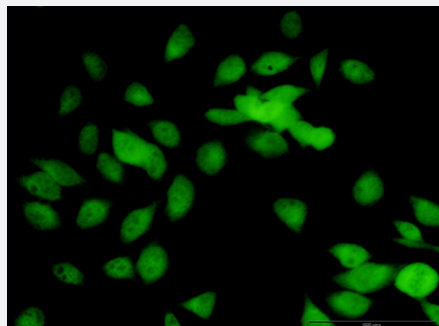
Western Blot analysis of LOXL1 expression in transfected 293T cell line ([H00004016-T01](#)) by LOXL1 MaxPab polyclonal antibody.

Lane 1: LOXL1 transfected lysate(63.10 KDa).

Lane 2: Non-transfected lysate.

Immunofluorescence

Immunofluorescence of purified MaxPab antibody to LOXL1 on HeLa cell. [antibody concentration 10 ug/ml]



Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human LOXL1 protein.

Immunogen

LOXL1 (NP_005567.2, 1 a.a. ~ 574 a.a) full-length human protein.

Sequence	MALARGSRQLGALVWGACLCVLVHGQQAQPGQGSDPARWRQLIQWENNGQVYSLNSGSEYV PAGPQRSESSSRVLLAGAPQAQQRSHGSPRRRQAPSLPLPGRVGSDTVRGQARHPFGFGQV PDNWREVAVG DSTGMARARTSVSQQRHGGSASSVSASAFASYRQQPSYPQQFPYPQAPFVS QYENYDPASRTYDQGFVYYRPAGGGVGAGAAVASAGVIYPYQPRARYEEYGGGEELPEYPPQG FYPAPERPYVPPPPPPDGLDRRYSHSLYSEGTPGFEQAYPDPGPEAAQAHGGDPRLGWYPPY ANPPPEAYGPPRALEPPYLPVRSSDTPPPGGERNGAQQGRLSVGVSYPNPQNGRGLPDLVPDP NYVQASTYVQRAHLYSLRCAAEKCLASTAYAPEATDYDVRVLLRFPQRVKNQGTADFLPNRPR HTWEWHSCHQHYHSMDEF SHYDLLDAATGKKVAEGHKASF CLEDSTCDFGNLKRYACTSHTQG LSPGCYDTYNADIDCQWIDITDVQPGNYLKVHVNP KYVLESDF TNNVVR CNIH YTG RYVSATNCKI VQS
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (85); Rat (84)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
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 (Transfected lysate)

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[Protocol Download](#)

Immunofluorescence

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Gene Info — LOXL1

Entrez GeneID	4016
GeneBank Accession#	NM_005576.2
Protein Accession#	NP_005567.2

Gene Name	LOXL1
Gene Alias	LOL, LOXL
Gene Description	lysyl oxidase-like 1
Omim ID	153456 177650
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	lysyl oxidase homolog 1

Publication Reference

- [Potential association of LOXL1 with peritoneal dissemination in gastric cancer possibly via promotion of EMT.](#)

Qingjiang Hu, Takaaki Masuda, Shotaro Kuramitsu, Taro Tobo, Kuniaki Sato, Shinya Kidogami, Sho Nambara, Masami Ueda, Yusuke Tsuruda, Yosuke Kuroda, Shuhei Ito, Eiji Oki, Masaki Mori, Koshi Mimori.

PLoS One 2020 Oct; 15(10):e0241140.

Application: IHC-P, WB-Tr, Human, AGS cells, Human gastric cancer

- [Gremlin Utilizes Canonical and Non-Canonical TGFβ Signaling to Induce Lysyl Oxidase \(LOX\) Genes in Human Trabecular Meshwork Cells.](#)

Sethi A, Wordinger RJ, Clark AF.

Experimental Eye Research 2013 Aug; 113:117.

Application: WB-Ce, Human, TM cells

- [Transforming Growth Factor Beta Induces Extracellular Matrix Protein Crosslinking Lysyl Oxidase \(LOX\) Genes in Human Trabecular Meshwork Cells.](#)

Sethi A, Mao W, Wordinger RJ, Clark AF.

Invest Ophthalmol Vis Sci 2011 May; 52:5240.

Application: WB-Ce, Human, Trabecular meshwork cells

Disease

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- [Atherosclerosis](#)
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- [Cataract](#)
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- [Glaucoma](#)
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