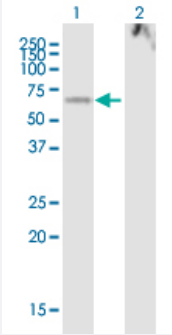
MaxPab®

LOXL1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00004016-B01P Size 50 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(63.14 KDa).
Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse 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	MALARGSRQLGALVWGACLCVLVHGQQAQPGQGSDPARWRQLIQWENNGQVYSLLNSGSEYV PAGPQRSESSSRVLLAGAPQAQQRRSHGSPRRRQAPSLPLPGRVGSDTVRGQARHPFGFGQV PDNWREVAVGDSTGMARARTSVSQQRHGGSASSVSASAFASTYRQQPSYPQQFPYPQAPFVS QYENYDPASRTYDQGFVYYRPAGGGVGAGAAAVASAGVIYPYQPRARYEEYGGGEELPEYPPQG FYPAPERPYVPPPPPPPDGLDRRYSHSLYSEGTPGFEQAYPDPGPEAAQAHGGDPRLGWYPPY ANPPPEAYGPPRALEPPYLPVRSSDTPPPGGERNGAQQGRLSVGSVYRPNQNGRGLPDLVPDP NYVQASTYVQRAHLYSLRCAAEEKCLASTAYAPEATDYDVRVLLRFPQRVKNQGTADFLPNRPR HTWEWHSCHQHYHSMDEFSHYDLLDAATGKKVAEGHKASFCLEDSTCDFGNLKRYACTSHTQG LSPGCYDTYNADIDCQWIDITDVQPGNYILKVHVNPKYIVLESDFTNNVVRCNIHYTGRYVSATNCKI VQS
Host	Mouse
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)

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

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  Lane 2: Non-transfected lysate.

  Protocol Download

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

- A common variant mapping to CACNA1A is associated with susceptibility to exfoliation syndrome.

  Aung T, Ozaki M, Mizoguchi T, Allingham RR, Li Z, Haripriya A, Nakano S, Uebe S, Harder JM, Chan AS, Lee MC, Burdon KP, Astakhov YS, Abu-Amero KK, Zenteno JC, Nilgun Y, Zarnowski T, Pakravan M, Safieh LA, Jia L, Wang YX, Williams S, Paoli D, Schlottmann PG, Huang L, Sim KS, Foo JN, Nakano M, Ikeda Y, Kumar RS, Ueno M, Manabe SI, Hayashi K, Kazama S, Ideta R, Mori Y, Miyata K, Sugiyama K, Higashide T, Chihara E, Inoue K, Ishiko S, Yoshida A, Yanagi M, Kiuchi Y, Aihara M, Ohashi T, Sakurai T, Sugi

  Nature Genetics 2015 Apr; 47(4):387.

  Application: IF, IHC, Human, Eyes

- LOXL1 deficiency in the lamina cribrosa as candidate susceptibility factor for a pseudoexfoliation-specific risk of glaucoma.

  Schlötzer-Schrehardt U, Hammer CM, Krysta AW, Hofmann-Rummelt C, Pasutto F, Sasaki T, Kruse FE, Zenkel M.

  Ophthalmology. 2012 Sep; 119(9):1832.

  Application: IHC-Fr, Human, Human donor eye

Disease

- Aneurysm
- Atherosclerosis
- Cardiovascular Diseases
- Cataract
- Exfoliation Syndrome
- Fetal Membranes
- Genetic Predisposition to Disease
- Glaucoma
- Intracranial Aneurysm
- Low Tension Glaucoma
- Pigmentation Disorders
- Premature Birth
- Tobacco Use Disorder

- Ventricular Dysfunction