LOXL4 polyclonal antibody (A01)

Catalog # H00084171-A01 Size 50 uL

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant LOXL4.
Immunogen	LOXL4 (NP_115587, 657 a.a. ~ 755 a.a) partial recombinant protein with GST tag.
Sequence	ACANFGEQGVTVGCWDTYRHDIDCQWVDITDVGPGNYIFQVIVNPHYEVAESDFSNNMLQCRCK YDGHRVWLHNCHTGNSYPANAELSLEQEQRLRNNL
Host	Mouse
Reactivity	Human, Mouse, Rat
Interspecies Antigen Sequence	Mouse (86); Rat (85)
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- 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

- Alternatively spliced lysyl oxidase-like 4 isoforms have a pro-metastatic role in cancer.

  Sebban S, Golan-Gerstl R, Karni R, Vaksman O, Davidson B, Reich R.

  Clinical & Experimental Metastasis 2013 Jan; 30(1):103.

  Application: IP, WB, Human, ES-2 cells

- Lysyl oxidase-like 4 is alternatively spliced in an anatomic site-specific manner in tumors involving the serosal cavities.

  Sebban S, Davidson B, Reich R.

  Virchows Archiv 2009 Jan; 454(1):71.

  Application: IP, WB-Ti, WB-Tr, Human, Human ovarian carcinoma

Disease

- Alzheimer Disease
- Genetic Predisposition to Disease
- Intracranial Aneurysm