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Datasheet

LOXL4 polyclonal antibody (A01)

Catalog Number: H00084171-A01

Regulation Status: For research use only (RUO)

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:
ACANFGEQGVTVGCWDTYRHDIDCQWVDITDVGPGN YIFQVIVNPHYEVAESDFSNNMLQCRCKYDGHRVWLH NCHTGNSYPANAELSLEQEQRLRNNL

Host: Mouse

Reactivity: Human,Mouse,Rat

Applications: ELISA, WB-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Storage Buffer: 50 % glycerol

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 84171

Gene Symbol: LOXL4

Gene Alias: FLJ21889, LOXC

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]

References:

1. 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. Clin Exp Metastasis. 2012 Jul 18.
2. 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 Arch. 2009 Jan;454(1):71-9. Epub 2008 Nov 18.