



Anti-LOXL3 (aa 171-270) polyclonal antibody (DPAB-DC3493)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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. Alternatively spliced transcript variants of this gene have been reported but their full-length nature has not been determined.
Immunogen	LOXL3 (NP_115992, 171 a.a. ~ 270 a.a) partial recombinant protein with GST tag. The sequence is IRPAVGWGRRLPVTEGLVEVRLPDGWSQVCDKGWSAHNSHVVCGMLGFPSEKRVNAAFY RLLAQRQQHSFGLHGVACVGTEAHLCSLEFYRANDTAR
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	LOXL3 lysyl oxidase-like 3 [Homo sapiens (human)]
Official Symbol	LOXL3
Synonyms	LOXL3; lysyl oxidase-like 3; LOXL; lysyl oxidase homolog 3; lysyl oxidase-like protein 3;
Entrez Gene ID	84695
Protein Refseq	NP_001276093
UniProt ID	P58215
Chromosome Location	2p13
Pathway	Assembly of collagen fibrils and other multimeric structures; Crosslinking of collagen fibrils; Extracellular matrix organization;
Function	copper ion binding; protein binding; protein-lysine 6-oxidase activity; scavenger receptor activity