



## Anti-LOXL2 (aa 675-773) polyclonal antibody (DPAB-DC1866)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	LOXL2 (NP_002309, 675 a.a. ~ 773 a.a) partial recombinant protein with GST tag. The sequence is  NFGDQGITMGCWDMYRHDIDCQWVDITDVPPGDYLFQVVINPNFEVAESDYSNNIMKCRS RYDGHRIWMYNCHIGGSFSEETEKKFEHFSGLNNQLSP
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">LOXL2 lysyl oxidase-like 2 [ Homo sapiens (human) ]</a>
Official Symbol	LOXL2
Synonyms	LOXL2; lysyl oxidase-like 2; LOR2; WS9-14; lysyl oxidase homolog 2; lysyl oxidase related 2; lysyl oxidase-like 2 protein; lysyl oxidase-like protein 2; lysyl oxidase-like 2 delta e13; lysyl oxidase-related protein 2; lysyl oxidase-related protein WS9-14;
Entrez Gene ID	<a href="#">4017</a>
Protein Refseq	<a href="#">NP_002309</a>
UniProt ID	<a href="#">Q9Y4K0</a>
Chromosome Location	8p21.3
Pathway	Assembly of collagen fibrils and other multimeric structures; Crosslinking of collagen fibrils; Extracellular matrix organization;
Function	chromatin binding; copper ion binding; electron carrier activity; methylated histone binding