



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

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.
Immunogen	LOXL2 (NP_002309, 675 a.a. ~ 773 a.a) partial recombinant protein with GST tag. The sequence is NFGDQGITMGCWDMYRHDIDCQWVDITDVPPGDYLFQVVINPNFEVAESDYSNNIMKCRS RYDGHRIWMYNCHIGGSFSEETEKKEHFHSGLLNNQLSP
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	LOXL2 lysyl oxidase-like 2 [Homo sapiens (human)]
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	4017
Protein Refseq	NP_002309
UniProt ID	Q9Y4K0
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