

LOXL2 Rabbit pAb

CatalogNo: YN2126

Orthogonal Validated 

Key Features

Host Species

- Rabbit

Reactivity

- Human,Rat,Mouse

Applications

- WB,ELISA

MW

- 85kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from part region of human protein**Specificity** LOXL2 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name LOXL2

Protein Name	Lysyl oxidase homolog 2 (Lysyl oxidase-like protein 2) (Lysyl oxidase-related protein 2) (Lysyl oxidase-related protein WS9-14)		
	Organism	Gene ID	UniProt ID
	Human	4017;	Q9Y4K0;
	Mouse		P58022;
	Rat		B5DF27;
Cellular Localization	Secreted, extracellular space, extracellular matrix, basement membrane . Nucleus . Chromosome . Endoplasmic reticulum . Associated with chromatin (PubMed:27735137). It is unclear how LOXL2 is nuclear as it contains a signal sequence and has been shown to be secreted (PubMed:23319596). However, a number of reports confirm its intracellular location and its key role in transcription regulation (PubMed:22204712, PubMed:22483618).		
Tissue specificity	Expressed in many tissues (PubMed:10212285). Highest expression in reproductive tissues, placenta, uterus and prostate (PubMed:10212285). In esophageal epithelium, expressed in the basal, prickle and granular cell layers (PubMed:22204712). Up-regulated in a number of cancers cells and tissues.		
Function	cofactor:Contains 1 lysine tyrosylquinone.,cofactor:Copper.,PTM:The lysine tyrosylquinone cross-link (LTQ) is generated by condensation of the epsilon-amino group of a lysine with a topaquinone produced by oxidation of tyrosine.,similarity:Belongs to the lysyl oxidase family.,similarity:Contains 4 SRCR domains.,tissue specificity:Expressed in many tissues. Highest expression in reproductive tissues, placenta, uterus and prostate.,		

| Validation Data

| Contact information

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