

Product datasheet for **CF807440**

LOXL2 Mouse Monoclonal Antibody [Clone ID: OTI8B2]

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI8B2 |
| Applications: | IHC |
| Recommended Dilution: | IHC 1:150 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Immunogen: | Human recombinant protein fragment corresponding to amino acids 152-450 of human LOXL2(NP_002309) produced in E.coli. |
| Formulation: | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose) |
| Reconstitution Method: | For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific) |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 84 kDa |
| Gene Name: | lysyl oxidase like 2 |
| Database Link: | NP_002309 Entrez Gene 94352 MouseEntrez Gene 290350 RatEntrez Gene 4017 Human Q9Y4K0 |



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Background:

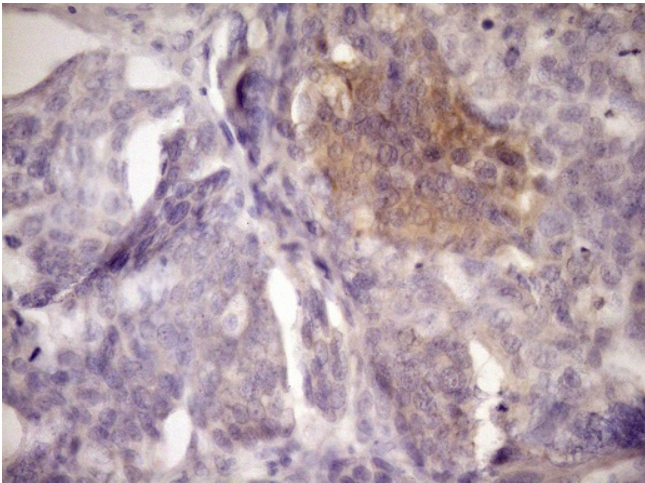
This gene encodes a member of the lysyl oxidase gene family. The prototypic member of the family is essential to the biogenesis of connective tissue, encoding an extracellular copper-dependent amine oxidase that catalyses the first step in the formation of crosslinks in collagens and elastin. A highly 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, Jul 2008]

Synonyms:

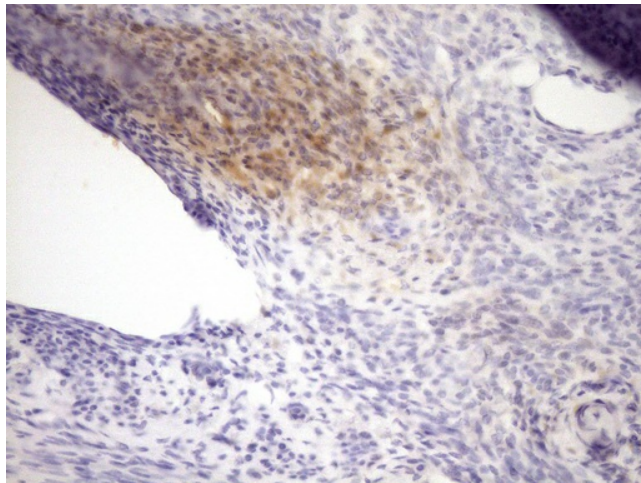
LOR2; WS9-14

Protein Families:

Druggable Genome, Secreted Protein

Product images:

Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-LOXL2 mouse monoclonal antibody. (Heat-induced epitope retrieval by Tris-EDTA, pH8.0, [TA807440]) (1:150)



Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-LOXL2 mouse monoclonal antibody. (Heat-induced epitope retrieval by Tris-EDTA, pH8.0, [TA807440]) (1:150)