LOXL2 Conjugated Antibody

Catalog No: #C49699

Package Size: #C49699-AF350 100ul #C49699-AF405 100ul #C49699-AF488 100ul #C49699-AF555 100ul #C49699-AF594 100ul #C49699-AF647 100ul #C49699-AF680 100ul #C49699-AF750 100ul #C49699-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	LOXL2 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	LOR 2 antibody LOR2 antibody LOX L2 antibody LOXL 2 antibody LOXL2 antibody LOXL2_HUMAN antibody Lysyl oxidase homolog 2 antibody Lysyl oxidase like 2 antibody Lysyl oxidase like protein 2 antibody Lysyl oxidase related 2 antibody Lysyl oxidase related protein 2 antibody Lysyl oxidase related protein WS9 14 antibody Lysyl oxidase-like protein 2 antibody Lysyl oxidase-related protein 2 antibody Lysyl oxidase-related protein WS9-14 antibody WS9 14 antibody
Accession No.	Swiss-Prot#:Q9Y4K0
Uniprot	Q9Y4K0
GeneID	4017;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	87 kDa, additional band 55 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Mediates the post-translational oxidative deamination of lysine residues on target proteins leading to the formation of deaminated lysine (allysine). When secreted in extracellular matrix, promotes cross-linking of extracellular matrix proteins by mediating oxidative deamination of peptidyl lysine residues in precursors to fibrous collagen and elastin. Acts as a regulator of sprouting angiogenesis, probably via collagen IV scaffolding. When nuclear, acts as a transcription corepressor and specifically mediates deamination of trimethylated 'Lys-4' of histone H3 (H3K4me3), a specific tag for epigenetic transcriptional activation. Involved in epithelial to mesenchymal transition (EMT) via interaction with SNAI1 and participates in repression of E-cadherin, probably by mediating deamination of histone H3. Also involved in E-cadherin repression following hypoxia, a hallmark of epithelial to mesenchymal transition believed to amplify tumor aggressiveness, suggesting that it may play a role in tumor progression. Acts as a regulator of chondrocyte differentiation, probably by regulating expression of factors that control chondrocyte differentiation.

Note: This product is for in vitro research use only