Carriagilage

A

LOX (D8F2K) Rabbit mAb



Orders: 877-616-CELL (2355)

orders@cellsignal.com

877-678-TECH (8324) Support:

Web: info@cellsignal.com

cellsignal.com

Futura Cana Ide

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

Linibant ID.

For Research Use Only. Not for Use in Diagnostic Procedures. Danaticita.

Compiting

Applications: WB	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 54, 56	Source/Isotype: Rabbit IgG	UniProt ID: #P28300	Entrez-Gene Id: 4015
Product Usage Information	Ap	plication		Dilution		
	We	estern Blotting			1:1000	
Storage		•	(1	7.5), 150 mM NaCl, 100 not aliquot the antibody	10 , 0,	erol and less than
Specificity / Sensitivity		LOX (D8F2K) Rabbit mAb recognizes endogenous levels of total LOX protein.				
Source / Purification	•	Monoclonal antibody is produced by immunizing animals with recombinant protein specific to the human LOX protein.				
Background	fam form prot dev incli	LOX (lysyl oxidase) is a secreted copper-dependent amine oxidase and a member of the lysyl oxidase family (1). It primarily catalyzes the oxidation of lysine (or hydroxylysine) residues in collagen and elastin to form peptidyl aldehyde derivatives (2). These modifications are required for further cross-linking of target proteins to enhance ECM (extracellular matrix) stiffness. LOX plays critical roles in vascular, lung, and skin development, and tissue damage repair (3-5). Upregulation of LOX is associated with various diseases, including cancer progression and tissue fibrosis. Aberrant LOX activity creates a favorable tumor microenvironment to promote tumor metastasis and distal colonization (6-8).				
Background Refer	2. Ti 3. H 4. M 5. S 6. W 7. C	 Xiao, Q. and Ge, G. (2012) Cancer Microenviron 5, 261-73. Trackman, P.C. (2016) Expert Opin Ther Targets 20, 935-45. Hornstra, I.K. et al. (2003) J Biol Chem 278, 14387-93. Mäki, J.M. et al. (2005) Pathol 167, 927-36. Szauter, K.M. et al. (2005) Pathol Biol (Paris) 53, 448-56. Wang, T.H. et al. (2016) Int J Mol Sci 18, . Cox, T.R. et al. (2015) Nature 522, 106-110. Reynaud, C. et al. (2017) Cancer Res 77, 268-278. 				

MANA (LDs).

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

WB: Western Blotting

Cross-Reactivity Key

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

Trademarks and **Patents**

Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.

CST is a registered trademark of Cell Signaling Technology, Inc.

All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more

information.

Limited Uses

Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.

LOX (D8F2K) Rabbit mAb (#58135) Datasheet Without Images Cell Signaling Technology

Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.