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## ក្តុ TRXR2/TXNRD2 (3F2-E12-F10) Mouse mAb



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

Applications: W	Reactivity: H Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 56	Source/Isotype: Mouse IgG3	UniProt ID: #Q9NNW7	Entrez-Gene Id: 10587		
Product Usage Information		<b>Application</b> Western Blotting		<b>Dilution</b> 1:1000				
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
Specificity/Sens	itivity	TRXR2/TXNRD2 (3F2-E12-F10) Mouse mAb recognizes endogenous levels of total TRXR2/TXNRD2 protein.				R2/TXNRD2		
Source / Purifica	ntion	Monoclonal antibody is produced by immunizing animals with a recombinant protein specific to the carboxy terminus of human TRXR2/TXNRD2 protein.						
Background		Thioredoxin reductase eliminating reactive ov reductases: TRXR1/TXI specific) (1). TRXR2 ma generation (5). TRXR2 experience embryonic results in congestive h dilated cardiomyopath levels, in concert with risk (6).	es are selenoproteir cygen species (ROS NRD1 (cytosolic), TR y function to prote is critical for norma lethality, while mit eart failure (4). In F ny (1). A recent stud certain SNPs in TRX	is that are critical for mai (1-4). There are three kn XR2/TXNRD2 (mitochond ct against tumor necrosis l heart development and ochondrial dysfunction so umans, certain rare muta y in the EPIC-Heidelberg R2 and other selenoprote	ntaining cellular re own mammalian th rial), and TRXR3/TX factor-ɑ (TNF-ɑ)-m function (1,4). TRX een in heart-specifi ations in TRXR2 hav cohort shows that s eins, can influence	dox balance and noredoxin NRD3 (testis- lediated ROS R2 KO mice c TRXR2 KO mice ve been linked to serum selenium prostate cancer		
Background Ref	erences	<ol> <li>Sibbing, D. et al. (20</li> <li>Gasdaska, P.Y. et al.</li> <li>Miranda-Vizuete, A.</li> <li>Conrad, M. et al. (20</li> <li>Hansen, J.M. et al. (20</li> <li>Méplan, C. et al. (20</li> </ol>	11) Eur Heart J 32, 7 (1999) FEBS Lett 44 et al. (1999) Eur J B 04) Mol Cell Biol 24 2006) Toxicol Sci 91, 12) PLoS One 7, e48	1121-33. 2, 105-11. <i>iochem</i> 261, 405-12. , 9414-23. 643-50. 3709.				
Species Reactivi	ty	Species reactivity is de	termined by testing	g in at least one approved	application (e.g., v	western blot).		
Western Blot Buffer		IMPORTANT: For weste TBS, 0.1% Tween® 20	ern blots, incubate at 4°C with gentle s	membrane with diluted p haking, overnight.	primary antibody in	5% w/v BSA, 1X		
Applications Key	/	W: Western Blotting						
Cross-Reactivity	Key	H: Human Mk: Monke	у					
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