

# CISD1/mitoNEET (D5M4C) Rabbit mAb



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<b>Applications:</b> W, IP	Reactivity: H M R	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 12	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #Q9NZ45	Entrez-Gene Id: 55847
Product Usage Information		<b>Application</b> Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 1:200	
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/Sensitivity		CISD1/mitoNEET (D5M4C) Rabbit mAb recognizes endogenous levels of total CISD1/mitoNEET protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asp61 of human CISD1/mitoNEET protein.				
Background		iron-sulfur (2Fe-2S) pro to treat diabetes (1-3). mitochondrial respirat body lipid homeostasis	otein (mitoNEET) w CISD1/mitoNEET r ory capacity. It has s (2,4). Furthermor an epithelial breas	otein 1 (CISD1), also know as first identified as the t egulates both mitochonow also been shown to affe e, research studies have cancer cells and it has b	carget for the drug drial iron transport ect the dynamics of shown that CISD1/	pioglitazone, used into the matrix and cellular and whole- mitoNEET is
Background References		<ol> <li>Colca, J.R. et al. (2004) Am J Physiol Endocrinol Metab 286, E252-60.</li> <li>Wiley, S.E. et al. (2007) Proc Natl Acad Sci U S A 104, 5318-23.</li> <li>Wiley, S.E. et al. (2007) J Biol Chem 282, 23745-9.</li> <li>Kusminski, C.M. et al. (2012) Nat Med 18, 1539-49.</li> <li>Sohn, Y.S. et al. (2013) Proc Natl Acad Sci U S A 110, 14676-81.</li> <li>Bai, F. et al. (2015) Proc Natl Acad Sci U S A 112, 3698-703.</li> </ol>				
Species Reactiv	ity	Species reactivity is de	termined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				
Applications Ke	ey	W: Western Blotting IP: Immunoprecipitation				
Cross-Reactivity Key		H: Human M: Mouse R: Rat				

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