DBC1 (3G4) Mouse mAb



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Applications: W, IP, IF-IC	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 130	Source/Isotype: Mouse IgG1	UniProt ID: #Q8N163	Entrez-Gene Id: 57805	
Product Usage Information		Application Western Blotting Immunoprecipitation Immunofluorescence		nistry)		Dilution 1:1000 1:100 1:400	
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		DBC1 (3G4) Mouse mAb recognizes endogenous levels of total DBC1 protein.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with recombinant protein specific to the amino terminus of human DBC1 protein.					
Background		chromosome 8p21 th with multiple function binding domain in a l ERα expression and s apoptosis by binding acetylation levels and as it binds SUV39H1 a processing activates the mediated cell death s onset of apoptosis an	at is homozygously ns in cell survival. It igand-independent urvival in human br to and inhibiting the activity (3). DBC1 n and inhibits its histo the pro-apoptotic action ignaling (5). This pr d results in relocalitic form of DBC1 res	DBC1) was originally ide deleted in breast cancer binds directly to the estr manner and may be a kneest cancer cells (2). DBC de deacetylase activity of hay be an important regune methyltransferase activity of DBC1 during Tu ocessing of DBC1 in respization of DBC1 to the cyticults in mitochondrial cluosis.	r (1). DBĆ1 is a larg rogen receptor α (E ey determinant of l C1 can promote p5: SirT1, resulting in i ulator of heterochr tivity (4). Caspase-o mor Necrosis Facto conse to TNF-α is al coplasm. Overexpre	e, nuclear protein Ra) hormone- igand-independent B-mediated ncreased p53 omatin formation dependent or-a (TNF-a)- n early event in the	
Background References 1. Hamaguchi, M. et al. (2002) Proc Natl Acad Sci USA 99, 13647-52. 2. Trauernicht, A.M. et al. (2007) Mol Endocrinol 21, 1526-36. 3. Zhao, W. et al. (2008) Nature 451, 587-90. 4. Li, Z. et al. (2009) J Biol Chem 284, 10361-6. 5. Sundararajan, R. et al. (2005) Oncogene 24, 4908-20.							
Species Reactivit	у	Species reactivity is d	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot But	ffer	IMPORTANT: For wes	ORTANT: 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

W: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry)

Cross-Reactivity Key

H: Human M: Mouse R: Rat Mk: Monkey

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