Fatty Acid Synthase Antibody			
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com	
0	Support:	877-678-TECH (8324)	
#3189	Web:	info@cellsignal.com cellsignal.com	
	3 Trask Lane Danvers Ma	ssachusetts 01923 USA	
For Research Use Only. Not for Use in Diagnostic Procedures.			

Applications: WB	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 273	Source: Rabbit	UniProt ID: #P19096	Entrez-Gene Id 14104		
Product Usage	A	pplication			Dilution			
Information	W	Western Blotting			1:1000			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.						
Specificity / Sensi	tivity Fat	Fatty Acid Synthase Antibody detects endogenous levels of total fatty acid synthase protein.				rotein.		
Source / Purificati	cor	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide around Ala1160 corresponding to a sequence of mouse fatty acid synthase. Antibodies are purified by protein A and peptide affinity chromatography.						
Background	Co for is r Acc to r lev FA: pro hur	A. FASN is active as export to metabolica ninimally expressed cording to the resea most human carcino rels of FASN are dire SN is highly express ognosis in breast and	s a homodimer with ally active tissues o since they rely on o rch literature, increa mas. For example i ectly related to the s sed in lung and pros d prostate cancer (3 . Thus, increased in	seven different cata r storage in adipose circulating fatty acids ased expression of F n breast cancer, imr ize of breast tumors state cancers and the i-5). Furthermore, in tterest has focused	ain fatty acids from acef lytic activities and produ- tissue. In most other hu s for new structural lipid ASN has emerged as a nunohistochemical stair (2). Research studies a at FASN expression is a hibition of FASN is select on FASN as a potential time (6,7).	ices lipids in the liver man tissues, FASN synthesis (1). phenotype common ning showed that the lso showed that in indicator of poor ctively cytotoxic to		
Background Refe	2. \ 3. 4. \$ 5. 6.]	Katsurada, A. et al. (Wells, W.A. et al. (20 Kawamura, T. et al. (Shah, U.S. et al. (20 Kuhajda, F.P. (2000) Tian, W.X. (2006) <i>Cu</i> Kusunoki, J. et al. (2	006) Breast Cancer (2005) Pathobiology 06) Hum Pathol 37 Nutrition 16, 202-8 urr Med Chem 13, 9	Res Treat 98, 231-4 72, 233-240. 401-409. 67-977.	0.			
Species Reactivity	y Spe	cies reactivity is det	ermined by testing	n at least one appro	ved application (e.g., w	estern blot).		
Western Blot Buff				s, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, entle shaking, overnight.				
Applications Key	WE	3: Western Blotting						
Cross-Reactivity H	X: X	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						
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Fatty Acid Synthase Antibody (#3189) Datasheet Without Images Cell Signaling Technology

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