e at -20C	MTH1 (D6V4O) Rabbit mAb	T C		
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com	
)18		Support:	877-678-TECH (8324)	
#43918		Web:	info@cellsignal.com cellsignal.com	
#		3 Trask Lane Danvers	Massachusetts 01923 USA	

Eor Research Lise Only	Not for Use in	Diagnostic Procedures
FOR Research Use Unit	y. NOUTOF USE IN	Diagnostic Procedures.

Applications: WB, IP	Reactivity: H R	Sensitivity: Endogenous	MW (kDa): 18	Source/Isotype: Rabbit IgG	UniProt ID: #P36639	Entrez-Gene Id 4521		
Product Usage	A	pplication			Dilution			
nformation	V	Vestern Blotting			1:1000			
	Ir	mmunoprecipitation			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		MTH1 (D6V4O) Rabbit mAb recognizes endogenous levels of total MTH1 protein. Based on the sequence of the immunogenic peptide, this antibody is expected to recognize all isoforms of MTH1.						
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala70 of human MTH1 protein.						
Background	ox int sh wł	tidized nucleotide tripl to DNA and RNA (1). town to have anti-prol nile not essential in no	nosphates, preve In addition to its f iferative effects in prmal cells, MTH1	rrine nucleoside triphosp nting their accumulation unction in sanitizing the n RAS-transformed tumo L is required for cancer o ivity suppresses cancer	in nucleotide pools a cell's nucleotide pool ors (2). Researchers h cell survival due to inc	nd their incorporation MTH1 has been ave shown that,		
Background Refe	2. 3.	Nakabeppu, Y. et al. Giribaldi, M.G. et al. (Gad, H. et al. (2014) Huber, K.V. et al. (20	2015) Oncotarge Nature 508, 215-	et 6, 11519-29. 21.				
Species Reactivit	y Spo	ecies reactivity is dete	ermined by testing	g in at least one approve	ed application (e.g., w	estern 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 Key	W	B: Western Blotting I	P: Immunoprecipi	tation				
Cross-Reactivity I	X: 1	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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MTH1 (D6V4O) Rabbit mAb (#43918) Datasheet Without Images Cell Signaling Technology

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