e at -20C	PKM1/2 (C103A3) Rabbit mAb		<b>Cell Signaling</b> TECHNOLOGY®	
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Applications: WB, IF-IC	Reactivity: H M R Mk	Sensitivity: Endogenous	<b>MW (kDa):</b> 60	Source/Isotype: Rabbit IgG	UniProt ID: #P14618	Entrez-Gene Id: 5315	
Product Usage Information	Ар	plication			D	ilution	
mormation	We	stern Blotting			1	:1000	
	Imr	nunofluorescence (	Immunocytochen	nistry)	1	:50 - 1:100	
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 / Sensit	ivity PKN	PKM1/2 (C103A3) Rabbit mAb detects endogenous levels of total PKM (including M1 and M2) protein.					
Source / Purificatio		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to the sequence around Gly200 of human PKM2.					
Background	In m alter four glyc M1 i show for a	ammals, the M1 is natively spliced val d that cancer cells olysis in tumors, kn soform, aerobic gly v decreased tumor Il tumor cells (4). Ir	oform (PKM1) is e riant of M1 that is exclusively expre- own as the Warb colysis is reduce- igenicity in mouse n the tumor mode	hat catalyses the conver- expressed in most adult expressed during embr ess PKM2 (1-3). PKM2 is urg effect (1). When car d and oxidative phospho e xenografts (1). Recent I studied, PKM2 was fou proliferative tumor cell p	tissues (1). The M2 is yonic development (1) s shown to be essentia icer cells switch from to prylation is increased ( studies showed that f and to be active in the	oform (PKM2) is an ). Research studies al for aerobic the M2 isoform to the (1). These cells also PKM2 is not essential	
Background Refere	2. M 3. D	hristofk, H.R. et al. azurek, S. et al. (20 ombrauckas, J.D. e raelsen, W.J. et al.	005) Śemin Canc et al. (2005) Bioch	er Biol 15, 300-8. nemistry 44, 9417-29.			
Species Reactivity	Spec	ies reactivity is dete	ermined by testing	g in at least one approve	ed application (e.g., w	estern blot).	
Western Blot Buffe		ORTANT: For weste Tween® 20 at 4°C		l primary antibody in 5% w/v BSA, 1X TBS,			
Applications Key	WB:	Western Blotting I	F-IC: Immunofluo	prescence (Immunocytoo	chemistry)		
Cross-Reactivity K	<b>X</b> : Xe		B: bovine Dg: d	Mi: mink C: chicken Dm: D. melanogaster isiae Ce: C. elegans Hr: horse			
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	appro	oved, cleared, or lic	ensed by the FD	Jse Only or a similar lab A or other regulatory for ny diagnostic or therape	eign or domestic entity	/, for any purpose.	

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