e at -20C	ILK1 (4G9) Rabbit mAb	T E	Cell Signaling TECHNOLOGY®		
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com		
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#		3 Trask Lane Danvers Mas	ssachusetts 01923 USA		

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB, IP, IHC-P	Reactivity: H M R Hm Mk Z B Pg	Sensitivity: Endogenous	MW (kDa): 51	Source/Isotype: Rabbit IgG	UniProt ID: #Q13418	Entrez-Gene Id: 3611		
Product Usage Information	-	plication stern Blotting			Dilution 1:1000			
		nunoprecipitation			1:50			
		nunohistochemistry	(Paraffin)		1:100 - 1:4	400		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
	For	a carrier free (BSA	and azide free) v	ersion of this product se	e product #53303.			
Specificity / Sens		ILK1 (4G9) Rabbit mAb detects endogenous levels of total ILK1 protein. The antibody may cross-react with ILK2.						
Source / Purifica		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to the carboxy terminus of human ILK1.						
Background	surv extra integ at S phos stim phos	ival, cell cycle contu acellular matrix (EC grin, PINCH (which er473, GSK-3 on S sphorylation events ulated by PI3 kinas	rol, cell-cell adhes M) and growth fa links ILK to the R er9, myosin light are key regulato e and negatively ,3,6). It has been	egrins and growth factor sion and cell motility (1) ctor receptors to the ac (TKs via Nck2), CH-ILKI chain 2 (MLC2) on Ser ry steps in modulating ti regulated by the tumor suggested that the con ILK1 (2).	. ILK functions as a sc tin cytoskeleton throug BP and affixin (1). ILK 18/Thr19, as well as af he activities of the targ suppressor PTEN and	affold bridging the h interactions with phosphorylates Akt fixin (2-5). These ets. ILK activity is a PP2C protein		
Background Ref	2. P 3. P 4. D 5. Y	ersad, S. et al. (200 ersad, S. et al. (200	 J. Biol. Chem. J. Cell Biol. 15 J. Biol. Chem. J. Biol. Chem. J. Cell Biol. 15 	276, 16365-16373. 3, 1251-1264.				
Species Reactivi	ty Spec	ies reactivity is dete	ermined by testing	g in at least one approv	ed application (e.g., we	estern blot).		
Western Blot Bu	-	IPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 1% Tween® 20 at 4°C with gentle shaking, overnight.						
Applications Key	/ WB:	WB: Western Blotting IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin)						
Cross-Reactivity	Key H: hu X: Xe	enopus Z: zebrafish	n M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster bus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse hea Pig Rab: rabbit All: all species expected					
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ILK1 (4G9) Rabbit mAb (#3856) Datasheet Without Images Cell Signaling Technology

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