e at -20C	PAX5 (D19F8) XP [®] Rabbit mAb		Cell Signaling	
Store a		Orders:	877-616-CELL (2355) orders@cellsignal.com	
02		Support:	877-678-TECH (8324)	
#8970		Web:	info@cellsignal.com cellsignal.com	
#	3 Trasi	k Lane Danvers Ma	ssachusetts 01923 USA	

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

Applications: WB, IP, IF-IC, FC-FP	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 45	Source/Isotype: Rabbit IgG	UniProt ID: #Q02548	Entrez-Gene Id: 5079
Product Usage	Aj	pplication				Dilution
Information	W	estern Blotting				1:1000
	Im	nmunoprecipitation				1:50
	Im	nmunofluorescence (I	mmunocytochen	nistry)		1:50
	Fl	ow Cytometry (Fixed	/Permeabilized)			1:100
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol a 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity / Sensiti	vity PA	X5 (D19F8) XP [®] Rat	bit mAb recogniz	zes endogenous levels o	of total PAX5 protein.	
Species predicted t react based on 100 sequence homolog	%	nopus				
Source / Purificatio		noclonal antibody is idues surrounding G		nunizing animals with a s PAX5 protein.	synthetic peptide corr	responding to
Background	ani The mO IV) reg 5, a oct hor dev org dev PA PA pot PA pro witt PA als	imal development (1) ey are defined by the trifs, with DNA binding based on the absend jion. Subgroup I (PAX and 8) contains the o capeptide and a comp meodomain but lacks velopment by regulati janogenesis (3); a su velopment (4). Resea X genes in a number tential mediators of tu X5, also known as B otein with affinity for b hin the PAX family in X5 is required to pror o required for the cor	Nine PAX prote presence of an a g activity (2). PAX ce or presence of (1 and 9) contain ctapeptide and a olete homeodoma the octapeptide ing transcriptiona bset of PAX prote arch studies have of cancer subtyp umor progression cell-specific activ oth immunoglobu being the only m mote differentiation	f transcription factors that ins (PAX1-9) have been amino-terminal "paired" 6 proteins are classified f a carboxy-terminal hor s the octapeptide but la truncated homeodomai ain; and subgroup IV (P/ region (2). PAX proteins I networks responsible f eins also maintain functi implicated genetic muta bes (1-3), with members (2). vator protein (BSAP), wa ulin heavy-chain and kap ember with reported ex on of common lymphoid nce of B cell identity foll been linked with lympho	described in humans domain, consisting o into four structurally o neodomain and a cer cks the homeodomai n; subgroup III (PAX AX4 and 6) contains a s play critically import for embryonic pattern onal importance duri ations that result in al of subgroups II and as originally identified opa light-chain loci (5 pression in the hema progenitors (CLPs) in owing differentiation	s and other mammals. f two helix-turn-helix distinct subgroups (I- ntral octapeptide n; subgroup II (PAX2, 3 and 7) contains the a complete ant roles in ing and ng postnatal berrant expression of III identified as as a DNA-binding). PAX5 is unique topoietic system. nto B cells (5,6); it is (7). Disruptions to the
Background Refere	2. F 3. V 4. E 5. C 6. E 7. C	Lang, D. et al. (2007) Robson, E.J. et al. (20 Wang, Q. et al. (2008 Blake, J.A. et al. (2008 Cobaleda, C. et al. (2 Busslinger, M. (2004) Carotta, S. and Nutt, Heltemes-Harris, L.M	006) Nat Rev Ca) J Cell Mol Med 8) Dev Dyn 237, 007) Nat Immund Annu Rev Immu S.L. (2008) Bioes	ncer 6, 52-62. 12, 2281-94. 2791-803. D/ 8, 463-70. nol 22, 55-79.		

1/1/24, 10:19 AM Species Reactivity	PAX5 (D19F8) XP® Rabbit mAb (#8970) Datasheet Without Images Cell Signaling Technology Species reactivity is determined by testing in at least one approved application (e.g., western 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	WB: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized)
Cross-Reactivity Key	 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
Trademarks and Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. XP is a registered trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.
Limited Uses	Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.
	Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.