e at -20C	HMGA1 (D4F8) Rabbit mAb		<b>ll Signaling</b> снмогоду <sup>®</sup>
Stor		Orders:	877-616-CELL (2355) orders@cellsignal.com
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## For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB, IHC-P, IF-IC	Reactivity: H Mk	Sensitivity: Endogenous	<b>MW (kDa):</b> 18	Source/Isotype: Rabbit	UniProt ID: #P17096	Entrez-Gene Id: 3159
Product Usage Information	We	pplication estern Blotting munohistochemistry munofluorescence (II	. ,	iistry)		<b>Dilution</b> 1:1000 1:2000 1:200
Storage				7.5), 150 mM NaCl, 100 not aliquot the antibody		erol and less than
Specificity / Sensitiv		. ,	-	endogenous levels of to ody is not predicted to c	•	
Species predicted to react based on 100% sequence homology	6	ine				
Source / Purification		noclonal antibody is p idues surrounding Gl	-	unizing animals with a s /GA1 protein.	synthetic peptide corr	esponding to
Background	hoo hav con fact fully rapi pan tran bloc	k DNA binding doma e direct transcription formation through bin fors (1,2). HMGA1 is differentiated adult t idly dividing neoplast foreas, and prostate ( insformation and an ep cks anchorage-indep tributes to carcinoge	in. HMGA protein al activation capa nding to AT-rich r highly expressed tissues (2-4). Re- ic cells and a wid (2-4). Investigato pithelial-to-mese endent cell grow	longs to a family of high ns are considered archir acity, but instead regula egions in the DNA and/ I during embryogenesis search studies have sho le variety of aggressive rs have shown that forc nchymal transition (EM <sup>T</sup> th and proliferation of ca g and maintaining a de-	tectural transcription f te gene expression by or direct interaction w and in embryonic ste own that HMGA1 is ov cancers, including th ed expression of HMG (), while inhibition of F ancer cells, suggestin	actors; they do not y changing DNA ith other transcription em cells, but not in ver-expressed in yroid, colon, breast, GA1 induces cellular HMGA1 expression g that HMGA1
Background Referer	2. R 3. C 4. B 5. V 6. V 7. X	Resar, L.M. (2010) Ca Chiappetta, G. et al. (2 Ben-Porath, I. et al. (2 Vood, L.J. et al. (2000 Vood, L.J. et al. (2000 Cu, Y. et al. (2004) Ca	ancer Res 70, 43 1996) Oncogene 2008) Nat Genet 0) Mol Cell Biol 2 0) Cancer Res 64, 33	13, 2439-46. 40, 499-507. 0, 5490-502. ), 4256-61.	05.	
Species Reactivity	Spec	cies reactivity is deter	rmined by testing	in at least one approve	ed application (e.g., w	estern blot).
Western Blot Buffer		ORTANT: For western 6 Tween® 20 at 4°C v	,	membrane with diluted ng, overnight.	primary antibody in 5	% w/v BSA, 1X TBS,
Applications Key		: Western Blotting <b>IH</b> C: Immunofluorescer		tochemistry (Paraffin) chemistry)		

1/1/24, 9:07 AM Cross-Reactivity Key	<ul> <li>HMGA1 (D4F8) Rabbit mAb (#12094) Datasheet Without Images Cell Signaling Technology</li> <li>H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster</li> <li>X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse</li> <li>GP: Guinea Pig Rab: rabbit All: all species expected</li> </ul>
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