2/22/24, 11:35 AM Revision 3

Revision 3						
CD13/APN (D6V1W) Rabbit mAb					Cell Signaling         T E C H N O L O G Y®         Orders:       877-616-CELL (2355)	
St					ordoror	orders@cellsignal.com
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				3 Trask L	ane   Danvers   Ma	assachusetts   01923   USA
For Research Use Only. N				Source/Isotype:	UniProt ID:	Entrez-Gene Id:
Applications: WB, IP, IHC-P, IF-IC, FC-FP	Reactivity: H M R	Sensitivity: Endogenous	<b>MW (kDa):</b> 160	Rabbit IgG	#P15144	290
Product Usage	Ар	plication				Dilution
Information	We	stern Blotting				1:1000
	Imr	nunoprecipitation				1:50
	Imr	nunohistochemistry	(Paraffin)			1:200
		nunofluorescence (I	-	nistry)		1:200
	Flo	w Cytometry (Fixed	(Permeabilized)			1:50
Storage				7.5), 150 mM NaCl, 100 not aliquot the antibody		lycerol and less than
	For	a carrier free (BSA a	and azide free) ve	ersion of this product se	e product #61821.	
Specificity / Sensitiv	vity CD1	.3/APN (D6V1W) Ra	abbit mAb recogr	izes endogenous levels	of total CD13/APN	I protein.
Source / Purification		noclonal antibody is ninus of human CD1		unizing animals with re	combinant protein s	specific to the carboxy
Background	dow rece the i infla whic of a and with	n peptides during di ptor for human virus regulation of many b mmation and immur ch is expressed in m minopeptidase N inc cytokines MCP-1 ar high APN expressio	gestion, cleaves ses, including sev biological process ne response (1,2 yeloid lineage he clude the angiote nd MIP-1 (4). Abr on associated wit	ely expressed, membra cell surface antigens du veral coronaviruses. Thi es, including angiogene ). APN was originally ide matopoietic cells and m nsin I-III peptide hormor normal APN protein expr h poor survival in colon prognosis in prostate ca	ring antigen preser s multifunctional pre- esis, cell proliferatio entified as the cell s yeloid leukemia (3) ues, the opioid pept ession is seen in vi- cancer and non-sm	ntation, and acts as a otein is implicated in in, cell migration, surface antigen CD13, ). Identified substrates ide met-enkephalin,
Background Refere	2. M 3. Lo 4. Bi 5. Hi 6. To	<ol> <li>Luan, Y. and Xu, W. (2007) <i>Curr Med Chem</i> 14, 639-47.</li> <li>Mina-Osorio, P. (2008) <i>Trends Mol Med</i> 14, 361-71.</li> <li>Look, A.T. et al. (1989) <i>J Clin Invest</i> 83, 1299-307.</li> <li>Bauvois, B. (2004) <i>Oncogene</i> 23, 317-329.</li> <li>Hashida, H. et al. (2002) <i>Gastroenterology</i> 122, 376-86.</li> <li>Tokuhara, T. et al. (2006) <i>Clin Cancer Res</i> 12, 3971-8.</li> <li>Sørensen, K.D. et al. (2013) <i>Br J Cancer</i> 108, 420-8.</li> </ol>				
Species Reactivity	Spec	ies reactivity is dete	rmined by testing	in at least one approve	d application (e.g.,	western blot).
Western Blot Buffer		)RTANT <sup>.</sup> For wester	n blots, incubate	membrane with diluted	nrimary antibody in	5% w/v BSA_1X TBS

Applications Key	WB: Western Blotting IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin) 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. melanoga

2/22/24, 11:35 AM	CD13/APN (D6V1W) Rabbit mAb (#32720) Datasheet Without Images Cell Signaling Technology
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