

## Phospho-Keratin 20 (Ser13) (D9M6O) Rabbit mAb



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Applications: W, IF-IC	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 48	Source/Isotype: Rabbit IgG	<b>UniProt ID:</b> #P35900	<b>Entrez-Gene Id:</b> 54474
Product Usage Information		<b>Application</b> Western Blotting Immunofluorescence	(Immunocytochemi	stry)		<b>Dilution</b> 1:1000 1:400
Storage				), 150 mM NaCl, 100 μg/ ot aliquot the antibody.	ml BSA, 50% glyce	rol and less than
Specificity/Sens	itivity	Phospho-Keratin 20 (S only when phosphoryl		bit mAb recognizes endo	ogenous levels of k	eratin 20 protein
Source / Purifica	ation	Monoclonal antibody i residues surrounding		unizing animals with a s atin 20 protein.	synthetic peptide co	orresponding to
Background		Keratin heterodimers keratin (or type II kera	composed of an aci tin, keratins K1-K8 a	lament proteins that are dic keratin (or type I ker and K71-K80) assemble t becific profiles that mak	atin, keratins K9-K2 to form filaments. I	28) and a basic Keratin isoforms
		nails, and other epithe immunohistochemical	lial tissues (3). While staining of kerating	can lead to a variety of e expression of keratins s is widely used to help i e prognostic information	can be variable, n the identification	
		adenocarcinomas of th keratinocytes of stratif coincides with the defi is expressed in basal c squamous cell carcino gallbladder, and pancr 20 (K20) is expressed i in colorectal carcinom of stratified epithelia, i squamous cell carcino	ne breast, lung, ova fied epithelia, hair fo inition of major epit ells of stratified epit mas. Keratin 19 (K1 reas, as well as in ad n gastrointestinal e as and some urothe including the skin, p mas, and some lung e in the lung, breas	in simple epithelia of no ry, and gastrointestinal ollicles, and sebaceous of helial lineages during sl chelia, and in basal-like s 9) is expressed in gland enocarcinomas of the b pithelium, urothelium, a clial carcinomas. Keratin prostate, and breast, as g carcinomas. Keratin 7 t, and female reproduct ovary (5,6).	tract. Keratin 17 is glands. Onset of ke kin development (4 subtypes of breast ular epithelia, inclu preast, thyroid, and and Merkel cells in 5/6 (K5/6) is expre well as in basal-like (K7) is expressed ir	expressed in basal ratin 17 expression .). Keratin 14 (K14) cancer and ding the liver, bile duct. Keratin the skin, as well as ssed in basal cells e breast cancers, a glandular
		Keratins, particularly K (CTCs) (5).	(8, K18, and K19, sei	rve as biomarkers for id	entification of circu	llating tumor cells
		glycosylation, and trar	nsamidation, have b lerstanding the mol	g phosphorylation, acety een shown to affect the ecular mechanisms und	functions of kerati	ins in normal and
		Research studies have	shown that keratin r (8). Serine 13 of ke	c and intestinal epitheliu 20 is an important mar ratin 20 is phosphorylat thway (9, 10).	ker of colon, liver, p	oancreatic, Merkel
Background Re	ferences	1. Chang, L. and Goldr 2. Schweizer, J. et al. (2 3. Sarma, A. (2022) <i>Int</i>	006) <i>J Cell Biol</i> 174,		-13.	

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Species Reactivity	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	W: Western Blotting IF-IC: Immunofluorescence (Immunocytochemistry)	
Cross-Reactivity Key	H: Human	
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