## Keratin 19 Antibody Image: Cell Signaling tells(235) Orders: 877-616-CELL (2355) orders@cellsignal.com Support: 877-678-TECH (8324) Web: info@cellsignal.com Cell Signal.com Support: 877-678-TECH (8324) Meb: info@cellsignal.com Cellsignal.com Strask Lane | Danvers | Massachusetts | 01923 | USA

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Applications: W	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 41	Source/Isotype: Rabbit	<b>UniProt ID:</b> #P08727	Entrez-Gene Id: 3880
Product Usage Information		<b>Application</b> Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Keratin 19 Antibody detects endogenous levels of keratin 19 protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to amino acids at the carboxy-terminus of human Keratin 19. Antibodies are purified by Protein A and peptide affinity chromatography.				
Background		Keratin heterodimers o keratin (or type II kera	composed of an aci tin, keratins K1-K8 a	lament proteins that ard dic keratin (or type I ker and K71-K80) assemble pecific profiles that mak	atin, keratins K9-K2 to form filaments. k	8) and a basic Aratin isoforms
		nails, and other epithe immunohistochemical	lial tissues (3). Whil staining of keratin	can lead to a variety of e expression of keratins s is widely used to help e prognostic information	can be variable, in 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 in in colorectal carcinoma of stratified epithelia, i squamous cell carcino	ne breast, lung, ova ied epithelia, hair f nition of major epit ells of stratified epi mas. Keratin 19 (K1 eas, as well as in ac n gastrointestinal e as and some urothe including the skin, p mas, and some lun e in the lung, breas	in simple epithelia of no ry, and gastrointestinal ollicles, and sebaceous e chelial lineages during s thelia, and in basal-like 9) is expressed in gland lenocarcinomas of the k pithelium, urothelium, a elial carcinomas. Keratin prostate, and breast, as g carcinomas. Keratin 7 t, and female reproduct l ovary (5,6).	tract. Keratin 17 is o glands. Onset of ke kin development (4 subtypes of breast o ular epithelia, inclu preast, thyroid, and and Merkel cells in t 5/6 (K5/6) is express well as in basal-like (K7) is expressed in	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 breast cancers, glandular
		Keratins, particularly K (CTCs) (5).	ί8, Κ18, and Κ19, se	rve as biomarkers for id	entification of circu	lating tumor cells
		glycosylation, and trar	nsamidation, have b lerstanding the mo	g phosphorylation, acet been shown to affect the lecular mechanisms und	functions of kerati	ns in normal and
		Keratin 7 and Keratin 1 cells (7,8).	19 have been show	n to be present in hepat	ic and pancreatic pi	rogenitor/stem
Background Re	ferences	2. Schweizer, J. et al. (2 3. Sarma, A. (2022) <i>Int</i>	006) <i>J Cell Biol</i> 174, <i>J Biol Macromol</i> 21 Coulombe, P.A. (19 20) <i>Mol Aspects Me</i> 19) <i>J Biosci</i> 44, 33.	9, 395-413. 98) <i>J Cell Biol</i> 143, 469-8 d 72, 100817.		

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				
Cross-Reactivity Key	H: Human				
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