## ត្ថ ខ្លុ Keratin 19 (D7F7W) Rabbit mAb





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Applications: W, IHC-P	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 41	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #P08727	Entrez-Gene Id: 3880	
Product Usage Information		<b>Application</b> Western Blotting Immunohistochemistr	y (Paraffin)		1:	<b>lution</b> 1000 50	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
		For a carrier free (BSA and azide free) version of this product see product #13597.					
Specificity/Sens	sitivity	Keratin 19 (D7F7W) Rabbit mAb detects endogenous levels of keratin 19 protein.					
Source / Purific	ation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human keratin 19 protein.					
Background		Keratins (cytokeratins) are intermediate filament proteins that are mainly expressed in epithelial cells. Keratin heterodimers composed of an acidic keratin (or type I keratin, keratins K9-K28) and a basic keratin (or type II keratin, keratins K1-K8 and K71-K80) assemble to form filaments. Keratin isoforms demonstrate tissue- and differentiation-specific profiles that make them useful as research and clinical biomarkers (1,2).					
		nails, and other epithe immunohistochemical	lial tissues (3). Whil staining of kerating	can lead to a variety of e expression of keratins s is widely used to help i e prognostic informatior	can be variable, n the identification	, , ,	
		adenocarcinomas of th keratinocytes of stratif coincides with the defi is expressed in basal co squamous cell carcinon gallbladder, and pancro 20 (K20) is expressed in in colorectal carcinoma of stratified epithelia, i squamous cell carcinoma	ne breast, lung, ova ied epithelia, hair fo nition of major epit ells of stratified epit mas. Keratin 19 (K1 eas, as well as in ad n gastrointestinal e as and some urothe ncluding 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 thelia, and in basal-like s 9) is expressed in gland lenocarcinomas of the b pithelium, urothelium, a lial carcinomas. Keratin prostate, and breast, as g carcinomas. Keratin 7 t, and female reproduct ovary (5,6).	tract. Keratin 17 is o glands. Onset of ke kin development (4 subtypes of breast ular epithelia, inclu reast, thyroid, and md Merkel cells in to 5/6 (K5/6) is expressed 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).	8, K18, and K19, se	rve as biomarkers for id	entification of circu	llating tumor cells	
		glycosylation, and tran	samidation, have b erstanding the mol	g phosphorylation, acety een shown to affect the ecular mechanisms und	functions of kerati	ns in normal and	
Background Re	ferences	2. Schweizer, J. et al. (20 3. Sarma, A. (2022) <i>Int</i>	006) <i>J Cell Biol</i> 174, <i>J Biol Macromol</i> 219 Coulombe, P.A. (19 0) <i>Mol Aspects Me</i> c	9, 395-413. 98) <i>J Cell Biol</i> 143, 469-8			

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 IHC-P: Immunohistochemistry (Paraffin)		
Cross-Reactivity Key	H: Human		
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