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CA12 (D78E4) Rabbit mAb	T C	Cell Signaling		
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	tivity: Sensitivity: M R Endogenous	MW (kDa): 45-50	Source/Isotype: Rabbit IgG	UniProt ID: #O43570	Entrez-Gene Id: 771		
Product Usage Information	Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:200			
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.					
Specificity/Sensitivity	CA12 (D78E4) Rabbit r	mAb detects endog	enous levels of total CA1	2 protein.			
Source / Purification	Monoclonal antibody residues surrounding		nunizing animals with a s CA12 protein.	synthetic peptide c	orresponding to		
Background	organisms. All CA can have no significant ho hydration of CO ₂ into There are many isofor CA12, a member of th extracellular space. Ca cancers. Its expressio	be divided into 3 d prology in sequence HCO_3 and H^+ and c rms of CA in mamm as a class, is a plasm A12 is widely express n is induced by hyp	ancient zinc metalloenz istinct classes (α , β , and the and overall folding. Al- contain a zinc atom in the tals and they all belong the membrane protein wis sed in many tissues and oxia in solid tumors and triated with hyperchlorh	 γ) that evolved independent of the second of the second of the a class (1,2). th the catalytic dor the a class (1,2). th the catalytic dor the second of the s	ependently and lyze the reversible tial for catalysis. nain in the evels in renal cell		
Background Referenc	es 1. Smith, K.S. et al. (19 2. Tripp, B.C. et al. (20 3. Chiche, J. et al. (20 4. Barnett, D.H. et al. (5. Watson, P.H. et al. (6. Feldshtein, M. et al. 7. Muhammad, E. et a	01) <i>J Biol Chem</i> 276 99) <i>Cancer Res</i> 69, 3 (2008) <i>Cancer Res</i> 6 2003) <i>Br J Cancer</i> 88 . (2010) <i>Am J Hum G</i>	, 48615-8. 58-68. 8, 3505-15. 3, 1065-70. 5 <i>enet</i> 87, 713-20.				
Species Reactivity	Species reactivity is de	etermined by testin	g in at least one approve	ed 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 I	P: Immunoprecipita	ation				
Cross-Reactivity Key	H: Human M: Mouse	R: Rat					
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