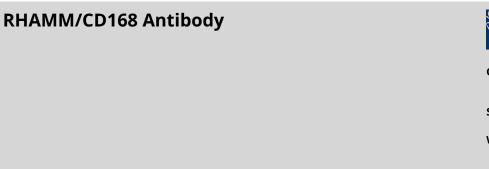
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Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 85	Source/Isotype: Rabbit	UniProt ID: #075330	Entrez-Gene Id: 3161	
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:100		
Storage		Supplied 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/Sen	Decificity/Sensitivity RHAMM/CD168 Antibody recognizes endogenous levels of total RHAMM/CD168 protein.					ein.	
Source / Purific	ation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human RHAMM/CD168 protein. The antigenic peptide spans a region that is 100% conserved among the four isoforms of RHAMM/CD168 reported in Uniprot. Antibodies are purified by protein A and peptide affinity chromatography.					
Background		Receptor for Hyaluronic acid-Mediated Motility (RHAMM, known also as CD168 or HMMR) was first identified as a putative receptor for hyaluronic acid (HA) that modulated HA-mediated cell motility (1). RHAMM/CD168 is functionally similar to the HA receptor CD44; however in contrast to CD44, RHAMM/CD168 does not contain a transmembrane domain or a signal peptide leader sequence, and so is not targeted exclusively to the cell membrane (1). RHAMM/CD168 has multiple isoforms; some are reportedly exported to the cell membrane in response to signaling by growth factors and cytokines (e.g., TGF- β) (2, 3), whereas others have been implicated in intracellular functions including mitotic spindle regulation (4). Cell surface RHAMM/CD168 is localized to membrane ruffles, consistent with proteins that regulate cell motility (1). Numerous research studies have reported that the expression of RHAMM/CD168 is positively associated with cancer cell growth, motility and/or metastasis (5-7), in addition to HA-mediated inflammation (8), suggesting the potential for therapeutic approaches that target HA-receptor mediated signaling (9,10).					
Background Re	eferences	 Hardwick, C. et al. (1992) <i>J Cell Biol</i> 117, 1343-50. Samuel, S.K. et al. (1993) <i>J Cell Biol</i> 123, 749-58. Naor, D. (2016) <i>Front Immunol</i> 7, 39. Tolg, C. et al. (2010) <i>J Biol Chem</i> 285, 26461-74. Mele, V. et al. (2017) <i>Oncotarget</i> 8, 70617-29. Morera, D.S. et al. (2017) <i>Br J Cancer</i> 117, 1507-17. Wang, D. et al. (2016) <i>Oncotarget</i> 7, 39957-69. Hauser-Kawaguchi, A. et al. (2018) <i>Matrix Biol</i> 78-79, 346-56. Wong, K.M. et al. (2017) <i>Curr Oncol Rep</i> 19, 47. Yang, C. et al. (2017) <i>Theranostics</i> 7, 1719-34. 					
Species Reactiv	/ity	Species reactivity is det	ermined by testing	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot B	uffer	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 Ke	ey	W: Western Blotting IP: Immunoprecipitation					
Cross-Reactivit	у Кеу	H: Human					
Trademarks an	d Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.					
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