

Claudin-1 (D3H7C) Rabbit mAb



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Applications: W, IF-IC	Reactivity:	Sensitivity: Endogenous	MW (kDa): 20	Source/Isotype: Rabbit IgG	UniProt ID: #O95832	Entrez-Gene Id: 9076
Product Usage Information		Application Western Blotting Immunofluorescence (Immunocytochemistry)			Dilution 1:1000 1:200 - 1:800	
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. <i>Do not aliquot the antibody.</i>				
Specificity/Sensitivity		Claudin-1 (D3H7C) Rabbit mAb recognizes endogenous levels of total claudin-1 protein. In both claudin-1-positive and claudin-1-negative cell lines, the antibody cross-reacts with a band of unknown origin, which migrates at approximately 120 kDa by SDS-PAGE electrophoresis.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro194 of human claudin-1 protein.				
Background		endothelium. They fu polarity, blocking the cell surfaces. Tight ju the cytoskeleton (1,2) expression, which var epithelial barrier. Alte cancer (2,3). Claudin-	nction in regulation movement of trans nctions are compose The claudin family ries among tissue ty tration in claudin pro 1 is expressed prima	n a continuous barrier to of paracellular permeal membrane proteins beto ed of claudin and occlud is composed of 23 integ pes, may determine boto tein expression pattern arily in keratinocytes (4) tomas and breast cancer	oility and in the mai ween the apical and lin proteins, which j gral membrane prot h the strength and is associated with and normal mamm	ntenance of cell If the basolateral oin the junctions to eins, and their properties of the several types of
Background References		 Shin, K. et al. (2006) Annu Rev Cell Dev Biol 22, 207-35. Oliveira, S.S. and Morgado-Díaz, J.A. (2007) Cell Mol Life Sci 64, 17-28. Hewitt, K.J. et al. (2006) BMC Cancer 6, 186. Brandner, J.M. et al. (2002) Eur J Cell Biol 81, 253-63. Krämer, F. et al. (2000) Hum Genet 107, 249-56. Swisshelm, K. et al. (1999) Gene 226, 285-95. 				
Species Reactivity	1	Species reactivity is d	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.				n 5% w/v BSA, 1X
Applications Key		W: Western Blotting IF-IC: Immunofluorescence (Immunocytochemistry)				
Cross-Reactivity Key		H: Human				
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