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835

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E-Cadherin (24E10) Rabbit mAb (Alexa Fluor[®] 647 Conjugate)



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: IHC-P, FC-FP	Reactivity: H M	Sensitivity: Endogenous	Source/Isotype: Rabbit IgG	UniProt ID: #P12830	Entrez-Gene Id: 999
Product Usage Information	Imn	plication nunohistochemistr w Cytometry (Fixe		Dilution 1:50 1:50 - 1:	
Storage	Sup	plied in PBS (pH 7	,	and 2 mg/ml BSA. Store at 4°C. D	
Specificity / Sensit		E-Cadherin (24E10) Rabbit mAb (Alexa Fluor [®] 647 Conjugate) detects endogenous levels of total E- cadherin protein. The antibody does not cross-react with related family members, such as N-cadherin.			
Species predicted react based on 100 sequence homolog)%	ne, Dog, Pig			
Source / Purificatio			s produced by immunizing anima Pro780 of human E-cadherin pr	ls with a synthetic peptide correspo otein.	onding to the
Product Descriptio		ected to exhibit the		to Alexa Fluor [®] 647 fluorescent dyes s the unconjugated E-Cadherin (24	
Background	appr adhe N-, F cellu cadh cate Whil activ of m in ac cadh Reso corre that	eximately 100 resi esion and play criti P_{-} , R-, B-, and E-ca lar structure near herins interacts with nin associate with ρ_{-} and γ_{-} catenin rity and trafficking (any epithelial cano didition to loss of E- herin cooperates we earch studies have elate with vascular	idues in their extracellular domai cal roles in normal tissue develo adherins, as well as about ten ot the apical surface of polarized ep β -catenin, y-catenin (also calle α -catenin, which links the cadhe play structural roles in the juncti (1-4). Investigators consider E-ca cers (1-3). Research studies india -cadherin. This change in cadher with the FGF receptor, leading to a shown that in endothelial cells, permeability and tumor angioge adherin, which is normally preser	roteins that contain cadherin repeat n. Cadherins mediate calcium-depe pment (1). The classic cadherin sul her members that are found in adhe bithelial cells. The cytoplasmic dom d plakoglobin), and p120 catenin. (rin-catenin complex to the actin cyto onal complex, p120 regulates cadh adherin an active suppressor of invo cate that cancer cells have upregul in expression is called the "cadheri overexpression of MMP-9 and cellu VE-cadherin signaling, expression, nesis (5,6). Investigators have also at in epithelial cells, is also altered i	endent cell-cell bfamily includes erens junctions, a vain of classical 3-catenin and γ- coskeleton (1,2). herin adhesive asion and growth ated N-cadherin in switch." N- ular invasion (3). and localization o demonstrated
Background Refere	2. Cl 3. Ha 4. Br 5. Ra 6. Ya 7. Pa	nristofori, G. (2003 azan, R.B. et al. (2 yant, D.M. and Sto abascio, C. et al. (2 amaoka-Tojo, M. et atel, I.S. et al. (200	Johnson, K.R. (2003) Annu Rev (2) EMBO J 22, 2318-23. (2004) Ann N Y Acad Sci 1014, 15 (2004) Cancer Res 64, 4373-7. t al. (2006) Arterioscler Thromb M (2006) J Pathol 190, 526-30.	5-63. .4, 427-34.	

Species Reactivity

1/21/24, 11:33 AM	E-Cadherin (24E10) Rabbit mAb (Alexa Fluor® 647 Conjugate) (#9835) Datasheet Without Images Cell S Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Applications Key	IHC-P: Immunohistochemistry (Paraffin) FC-FP: Flow Cytometry (Fixed/Permeabilized)
Cross-Reactivity	 H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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