e at -20C	α-N-Catenin Antibody		Cell Signaling	
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com	
31		Support:	877-678-TECH (8324)	
£213		Web:	info@cellsignal.com cellsignal.com	
#		3 Trask Lane Danvers Mas	sachusetts 01923 USA	

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

	activity: Sensitiv H M R Endoger		Source: Rabbit	UniProt ID: #P26232	Entrez-Gene Id: 1496			
Product Usage Information	Application				Dilution			
Information	Western Blottin	g			1:1000			
	Immunoprecipit	ation			1:100			
	Immunofluores	ence (Immunocytoche	mistry)		1:800			
	Flow Cytometry	(Fixed/Permeabilized)			1:50			
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 / Sensitivity		α -N-Catenin Antibody detects endogenous levels of α -N-catenin protein. The antibody does not cross-react with other α -catenin family members.						
Source / Purification	carboxy-terminu	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding the carboxy-terminus of human α -N-catenin. Antibodies are purified using protein A and peptide affinity chromatography.						
Background	differentiation, tis proteins, cadher cytoplasmic side cytoskeleton thro neuronal tissue, demonstrated th cancers, indicati in 1). Research studie catenin regulate (2,3). α-catenin a differentiation ar regulating transo degradation (4).	Research studies also suggest that, rather than acting as a static link between cadherins and actin, α - catenin regulates actin dynamics directly, possibly by competing with the actin nucleating arp2/3 complex (2,3). α -catenin also plays a role in regulating β -catenin-dependent transcriptional activity, affecting differentiation and response to Wnt signaling. α -catenin binds to β -catenin in the nucleus, preventing it from regulating transcription, and levels of both proteins appear to be regulated via proteasome-dependent						
Background Reference	2. Yamada, S. et 3. Drees, F. et al	 Kobielak, A. and Fuchs, E. (2004) Nat Rev Mol Cell Biol 5, 614-25. Yamada, S. et al. (2005) Cell 123, 889-901. Drees, F. et al. (2005) Cell 123, 903-15. Hwang, S.G. et al. (2005) J Biol Chem 280, 12758-65. 						
Species Reactivity	Species reactivity	is determined by testin	ng in at least one appro	ved application (e.g., we	estern 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		WB: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized)						
Cross-Reactivity Key	X: Xenopus Z: ze		log Pg: pig Sc: S. cere	s Mi: mink C: chicken D visiae Ce: C. elegans H				

1/1/24, 7:29 AM

Trademarks and Patents

Limited Uses

α-N-Catenin Antibody (#2131) Datasheet Without Images Cell Signaling Technology

Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.

Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.

Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.