**Cross-Reactivity Key** 

H: Human



## ApoE (pan) (D7I9N) Rabbit mAb



Orders: 877-616-CELL (2355)

orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com

cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

<b>Applications:</b> V, IP, IHC-P, IF-F, IF- IC	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 35	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #P02649	Entrez-Gene Id 348
Product Usage		Application			Dilution	
Information		Western Blotting			1:1000	
		Immunoprecipitation	l		1:50	
		Immunohistochemist		1:250 - 1:1000		
		Immunofluorescence (Frozen)			1:800 - 1:3200	
		Immunofluorescence	(Immunocytochem	nistry)	1:3200	- 1:6400
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
		For a carrier-free (BSA	A and azide free) vei	rsion of this product see	product #10197.	
Specificity/Sensitivity		ApoE (pan) (D7I9N) Rabbit mAb recognizes endogenous levels of total ApoE protein. This antibody also recognizes overexpressed ApoE2, ApoE3 and ApoE4 proteins.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Glu197 of human ApoE protein.				
Background		Apolipoproteins are plasma lipoproteins that function as transporters of lipids and cholesterol in the circulatory system. Chylomicrons are a fundamental class of apolipoproteins containing very low-density lipoproteins (VLDL), intermediate-density lipoproteins (IDL), low-density lipoproteins (LDL), and high-density lipoproteins (HDL) (1,2).				
		combination of cystei contains arginine at b synaptogenesis, and although it is widely e established the ApoE of the genetic variation	ne and arginine respoth locations. Rese neurodegenerative expressed in other t 4 allele as a genetic on in the disease (4) city for synaptic plas position. The increa	ApoE3, and ApoE4. Thes idues located at position arch studies have linked diseases (3). ApoE4 is prissues, such as the lung, risk factor for Alzheime. Research studies indicaticity, an earlier age of cose in Aβ suggests a role	ns 130 and 176. The ApoE4 function to oduced in the liver spleen, and ovary. r's disease (AD), acc ate that patients exponset of AD, and an	ApoE4 isoform neuronal plasticity, and brain, Investigators have ounting for 50-60% pressing ApoE4 increase in
Background References		<ol> <li>Kwiterovich, P.O. (2000) Am J Cardiol 86, 5L-10L.</li> <li>Hussain, M.M. (2000) Atherosclerosis 148, 1-15.</li> <li>Raber, J. et al. Neurobiol Aging 25, 641-50.</li> <li>Corder, E.H. et al. (1993) Science 261, 921-3.</li> <li>Holtzman, D.M. et al. (2000) Proc Natl Acad Sci U S A 97, 2892-7.</li> </ol>				
Species Reactivity	<i>'</i>	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 nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				
Applications Key		W: Western Blotting IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin) IF-F:				

Immunofluorescence (Frozen) IF-IC: Immunofluorescence (Immunocytochemistry)

## **Trademarks and Patents**

Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.

XP is a registered trademark of Cell Signaling Technology, Inc.

All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.

## **Limited Uses**

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.