LIS1 Antibody	Cell Signaling
	Orders: 877-616-CELL (2355) orders@cellsignal.com
<u>က</u>	Support: 877-678-TECH (8324)
#12453	Web: info@cellsignal.com cellsignal.com
#	3 Trask Lane Danvers Massachusetts 01923 USA
For Research Use Only. Not for Use in Diagnostic Procedures.	

Applications: W	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 47	Source/Isotype: Rabbit	UniProt ID: #P43034	Entrez-Gene Id 5048	
Product Usage Information		Application Western Blotting			Dilution 1:1000		
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	sitivity	LIS1 Antibody recognizes endogenous levels of total LIS1 protein.					
Source / Purific	ation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly298 of human LIS1 protein. Antibodies are purified by protein A and peptide affinity chromatography.					
Background		LIS1 is a cytoskeleton-interacting protein that contains an N-terminal dimerization domain and a C- terminal β -propeller domain that interacts with the motor domain of dynein (1-3). Research studies have shown that mutations in the LIS1 gene are involved in lissencephaly, a disease characterized by severe defects in brain development (4). LIS1 also plays a critical role in cortical migration and development in the brain (5). LIS1 activity is required for retrograde translocation of excitatory synapses in developing interneuron dendrites in a microtubule-dependent fashion (6).					
Background Re	ferences	1. Sasaki, S. et al. (200 2. Tai, C.Y. et al. (2002) 3. Tarricone, C. et al. (4. Reiner, O. et al. (199 5. Wynshaw-Boris, A. 6. Kawabata, I. et al. () <i>J Cell Biol</i> 156, 959 2004) <i>Neuron</i> 44, 8 93) <i>Nature</i> 364, 717 (2007) <i>Clin Genet</i> 72	-68. 09-21. -21. 2, 296-304.			
Species Reactiv	/ity	Species reactivity is d	etermined by testin	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					
Cross-Reactivit	у Кеу	H: Human M: Mouse	R: Rat Mk: Monkey				
Trademarks and Patents	d Patents	Cell Signaling Techno	logy is a trademark	of Cell Signaling Techno	logy, 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 purpose, 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 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.