Revision 1				
SLC1A4 Antibody	C C	Cell Signaling		
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com		
	Support:	877-678-TECH (8324)		
#8442	Web:	info@cellsignal.com cellsignal.com		
#	3 Trask Lane   Danvers   Mas	rask Lane   Danvers   Massachusetts   01923   USA		

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FUL Research U	se only. No	. Ioi ose iii i	Diagnostic	rioceuures.

r Research Use	Only. Not for Use	e in Diagnostic Proced	ures.			
Applications: W	Reactivity: H M	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 60-80	<b>Source/Isotype:</b> Rabbit	<b>UniProt ID:</b> #P43007	Entrez-Gene Id 6509
Product Usage Information	9	<b>Application</b> Western Blotting			<b>Dilution</b> 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/Ser	nsitivity	SLC1A4 Antibody reco	gnizes endogenou	s levels of total SLC1A4 p	rotein.	
Source / Purifi	cation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding residues near the carboxy terminus of human SLC1A4 protein. Antibodies are purified by protein A a peptide affinity chromatography.				
Background		because it mediates o mediates the efflux of release, as well as me SLC1A4-mediated trar	bligatory exchange glutamate from th diating the efflux o sport is shown to i mino acids and soc	l amino acid transporter of alanine, serine, cyste e neuron into the synap f L-serine from glial cells nvolve a symmetrical po lium, such that the curre	ine, and threonine tic junction via calc and its uptake by r tassium-independe	(1). SLC1A4 ium-independent neurons (2). ent electroneutral
Background R	eferences	1. Takasaki, C. et al. (2007) <i>Biomed Res</i> 28, 61-9. 2. Deng, X. et al. (2008) <i>BMC Psychiatry</i> 8, 58. 3. Zerangue, N. and Kavanaugh, M.P. (1996) <i>J Biol Chem</i> 271, 27991-4.				
Species Reacti	vity	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot I	Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				n 5% w/v BSA, 1X
Applications <b>K</b>	ley	W: Western Blotting				
Cross-Reactivi	ty Key	H: Human M: Mouse				
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