4F2hc/SLC3A2 (D6O3P) Rabbit mAb							
Stor					Orders:	877-616-CELL (2355) orders@cellsignal.com	
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<i>‡</i> 131					Web:	info@cellsignal.com cellsignal.com	
				3 Trask L	ane   Danvers   Ma	ssachusetts   01923   USA	
For Research Use Only							
Applications: WB, IP, IF-IC, FC-FP	Reactivity: H Mk	Sensitivity: Endogenous	<b>MW (kDa):</b> 75-120	Source/Isotype: Rabbit IgG	UniProt ID: #P08195	Entrez-Gene Id: 6520	
Product Usage Information	Ар	plication			D	bilution	
	We	Western Blotting				1:1000	
		munoprecipitation		• • •		:50	
		Immunofluorescence (Immunocytochemistry) Flow Cytometry (Fixed/Permeabilized)				1:200 - 1:800 1:50 - 1:200	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
Specificity / Sensitivity		4F2hc/SLC3A2 (D6O3P) Rabbit mAb recognizes endogenous levels of total 4F2hc/SLC3A2 protein.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly258 of human 4F2hc/SLC3A2 protein.					
Background	con acio lym plat It is mer tum tum (14)	nplexes with various ds (1-5). 4F2hc is or phocytes (6), hence elets, and is expres localized at the plas mbrane of placenta ors including glioma or progression and	a amino acid trans ne of the earliest e it is also named of sed at highest lev sma membrane w (10). Research sta a (11), ovarian car correlated with po lved in integrin tra	elongs to the solute car porters such as LAT1 a expressed antigens on the CD98. 4F2hc is expresse els in the tubules of the then associated with LA udies have shown that a neer (12), and astrocyto por outcome in patients afficking through associated erentiation (15).	nd LAT2 and regulation resurface of activation and in all cell types v kidney and the gast T1 or LAT2 (9) and a 4F2hc is highly expr mas (13), and it has with pulmonary neu	tes uptake of amino ted human vith the exception of trointestinal tract (7,8). at the apical essed in various s been implicated in roendocrine tumors	
Background Refe	2. M 3. P 4. P 5. S 6. L 7. R 8. D 9. B 10. R 11. C 12. K 13. N 14. K	cossier, G. et al. (19 pave, M.H. et al. (20 pröer, A. et al. (2001)	et al. (1998) Natur 99) EMBO J 18, 49 99) J Biol Chem 2 J Biol Chem 274. (1987) Proc Natl 99) J Biol Chem 2 04) J Physiol 558. 9 Biochem J 355, 10r, P.M. (2001) B 0) J Neurooncol 9 Int J Gynecol Car (2006) Int J Cance 9 Oncol Rep 26, 9	e 395, 288-91. 9-57. 74, 19738-44. , 11455-8. Acad Sci USA 84, 9204 74, 34948-54. , 597-610. 725-31. <i>iochem J</i> 356, 719-25. 19, 217-25. ncer 20, 329-36. er 119, 484-92. 31-7.	8.		
Species Reactivity	<b>y</b> Spec	Species reactivity is determined by testing in at least one approved application (e.g., western 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		: Western Blotting II FP: Flow Cytometry		tation <b>IF-IC:</b> Immunoflue lized)	prescence (Immuno	cytochemistry)	

5/8/24, 10:34 AM Cross-Reactivity Key	<ul> <li>4F2hc/SLC3A2 (D6O3P) Rabbit mAb (#13180) Datasheet Without Images Cell Signaling Technology</li> <li>H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster</li> <li>X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse</li> <li>GP: Guinea Pig Rab: rabbit All: all species expected</li> </ul>
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