#13180 Store at -20C

4F2hc/SLC3A2 (D6O3P) Rabbit



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

Applications: I WB, IP, IF-IC, FC-FP	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 75-120	Source/Isotype: Rabbit IgG	UniProt ID: #P08195	Entrez-Gene Id: 6520	
Product Usage Information	Ар	plication		Dilution			
	We	estern Blotting			1:100	00	
	Imr	munoprecipitation			1:50		
	Imr	munofluorescence (Immunocytochen	1:400 - 1:1600			
	Flo	Flow Cytometry (Fixed/Permeabilized)			1:100 - 1:400		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20 °C. Do not aliquot the antibody.					
Specificity / Sensitiv	ity 4F2	hc/SLC3A2 (D6O3F	P) Rabbit mAb red	vels of total 4F2hc/SL	.C3A2 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	com acid lymp plate It is men tume tume (14)	plexes with various is (1-5). 4F2hc is on obocytes (6), hence elets, and is expressionable at the plassible and or progression and or pro	amino acid trans e of the earliest e it is also named sed at highest lev ma membrane w (10). Research st (11), ovarian ca correlated with po lved in integrin tra	pelongs to the solute car sporters such as LAT1 a expressed antigens on the CD98. 4F2hc is express yels in the tubules of the when associated with LA tudies have shown that a national correction of the poor outcome in patients afficking through associal erentiation (15).	nd LAT2 and regulated ne surface of activated sed in all cell types with kidney and the gastro T1 or LAT2 (9) and at 4F2hc is highly expressmas (13), and it has bout he with pulmonary neuro	s uptake of amino d human h the exception of bintestinal tract (7,8). the apical seed in various een implicated in endocrine tumors	
Background Referen	2. M 3. P 4. Pi 5. Si 6. Lu 7. R 8. D 9. Bi 10. R 11. O 12. K 13. N 14. K	 Kanai, Y. et al. (1998) J Biol Chem 273, 23629-32. Mastroberardino, L. et al. (1998) Nature 395, 288-91. Pfeiffer, R. et al. (1999) EMBO J 18, 49-57. Pineda, M. et al. (1999) J Biol Chem 274, 19738-44. Sato, H. et al. (1999) J Biol Chem 274, 11455-8. Lumadue, J.A. et al. (1987) Proc Natl Acad Sci USA 84, 9204-8. Rossier, G. et al. (1999) J Biol Chem 274, 34948-54. Dave, M.H. et al. (2004) J Physiol 558, 597-610. Bröer, A. et al. (2001) Biochem J 355, 725-31. Ritchie, J.W. and Taylor, P.M. (2001) Biochem J 356, 719-25. Okubo, S. et al. (2010) J Neurooncol 99, 217-25. Kaji, M. et al. (2010) Int J Gynecol Cancer 20, 329-36. Nawashiro, H. et al. (2006) Int J Cancer 119, 484-92. Kaira, K. et al. (2011) Oncol Rep 26, 931-7. Lemaître, G. et al. (2011) J Dermatol Sci 61, 169-79. 					

Species Reactivity

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

WB: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry)

FC-FP: Flow Cytometry (Fixed/Permeabilized)

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4F2hc/SLC3A2 (D6O3P) Rabbit mAb (#13180) Datasheet Without Images Cell Signaling Technology

Cross-Reactivity Key

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dq: dog Pq: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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