## <mark>ខ្</mark>តុ 4F2hc/SLC3A2 (D3F9D) XP<sup>®</sup> Rabbit mAb





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Applications: W, IHC-P, IF-IC, FC- FP, FC-L	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 75-120	Source/Isotype: Rabbit IgG	<b>UniProt ID:</b> #P08195	Entrez-Gene Id 6520	
Product Usage Information		<b>Application</b> Western Blotting Immunohistochemist Immunofluorescence Flow Cytometry (Fixed Flow Cytometry (Live)	try (Paraffin) e (Immunocytochem d/Permeabilized) )	istry)		<b>Dilution</b> 1:1000 1:200 1:100 1:400 1:400	
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.					
		For a carrier free (BSA	and azide free) ver	sion of this product see	product #81977.		
Specificity/Sensitivity		4F2hc/SLC3A2 (D3F9D) XP <sup>®</sup> Rabbit mAb recognizes endogenous levels of total 4F2hc/SLC3A2 protein. This antibody is predicted to detect multiple isoforms of 4F2hc/SLC3A2.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val509 of human 4F2hc/SLC3A2 protein.					
Background		4F2hc is a transmemb complexes with variou acids (1-5). 4F2hc is on lymphocytes (6), hence platelets, and is expre- (7,8). It is localized at membrane of placent tumors including glio tumor progression ar tumors (14). 4F2hc is and regulates keratin	prane protein that b us amino acid trans ne of the earliest ex te it is also named C essed at highest leve the plasma membra ta (10). Research stu ma (11), ovarian car ad correlated with p also involved in inte ocyte adhesion and	elongs to the solute card porters such as LAT1 and pressed antigens on the D98. 4F2hc is expressed els in the tubules of the l ane when associated wit dies have shown that 4F herer (12), and astrocytom oor outcome in patients grin trafficking through differentiation (15).	rier family. 4F2hc for d LAT2 and regulate surface of activate in all cell types wit kidney and the gas h LAT1 or LAT2 (9) a 2hc is highly expre- has (13), and it has with pulmonary ne association with β	orms heterodimeric es uptake of amino ed human h the exception of trointestinal tract and at the apical ssed in various been implicated in euroendocrine 1 and β4 integrins,	
Background Ref	ferences	1. Kanai, Y. et al. (1996 2. Mastroberardino, L 3. Pfeiffer, R. et al. (19 4. Pineda, M. et al. (19 5. Sato, H. et al. (1999 6. Lumadue, J.A. et al. 7. Rossier, G. et al. (19 8. Dave, M.H. et al. (20 9. Bröer, A. et al. (200 10. Ritchie, J.W. and Ta 11. Okubo, S. et al. (201 12. Kaji, M. et al. (201 13. Nawashiro, H. et a 14. Kaira, K. et al. (201 15. Lemaître, G. et al.	8) <i>J Biol Chem</i> 273, 2 et al. (1998) <i>Natur</i> 99) <i>EMBO J</i> 18, 49-5 999) <i>J Biol Chem</i> 274, 1 (1987) <i>Proc Natl Ac</i> 199) <i>J Biol Chem</i> 274, 1 (1987) <i>Proc Natl Ac</i> 199) <i>J Biol Chem</i> 274 004) <i>J Physiol</i> 558, 5 1) <i>Biochem J</i> 355, 72 aylor, P.M. (2001) <i>Bio</i> 004) <i>J Neurooncol</i> 99 010 <i>J Neurooncol</i> 99 010 <i>J Neurooncol</i> 99 011 <i>J Gynecol Can</i> al. (2006) <i>Int J Cance</i> 11) <i>Oncol Rep</i> 26, 93 (2011) <i>J Dermatol</i> S	23629-32. e 395, 288-91. 7. , 19738-44. 1455-8. <i>ad Sci USA</i> 84, 9204-8. , 34948-54. 97-610. 5-31. <i>ochem J</i> 356, 719-25. <i>ochem J</i> 356, 719-25.			
Species Reactiv	ity	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 BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.					

Applications Key	<b>W:</b> Western Blotting <b>IHC-P:</b> Immunohistochemistry (Paraffin) <b>IF-IC:</b> Immunofluorescence (Immunocytochemistry) <b>FC-FP:</b> Flow Cytometry (Fixed/Permeabilized) <b>FC-L:</b> Flow Cytometry (Live)
Cross-Reactivity Key	H: Human
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