

Annexin A2 (D11G2) Rabbit mAb (PE Conjugate)



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3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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Applications: FC-FP	Reactivity: H M R Mk B Pg	Sensitivity: Endogenous	Source/Isotype: Rabbit IgG	UniProt ID: #P07355	Entrez-Gene Id: 302
Product Usage Information		Application Flow Cytometry (Fixed/Po	ermeabilized)		Dilution 1:50
Storage		Supplied in PBS (pH 7.2), antibodies. Protect from		zide and 2 mg/ml BS/	A. Store at 4°C. Do not aliquot the
Specificity/Sensit	tivity				us levels of total annexin A2 ner annexin family members.
Species predicted based on 100% so homology	d to react equence	Dog, Horse			
Source / Purificat	tion		produced by immunizing e307 of human annexin /		etic peptide corresponding to
Description			alysis in human cells. This	s antibody is expected	n (PE) and tested in-house for d to exhibit the same species #8235.
Background		annexin superfamily that annexin repeats (1). Anne and protein-lipid interact bridge between the actir Originally identified as a shown to interact with an complexes, RNA, and viru activity and is detected o macrophage activation a cell surface is thought to phosphorylation at Tyr25 A2 where it mediates mo cancer cells (19,20). Anne in response to PKC activa	t binds phospholipids and exin A2 contains four suc- tions (1-4). It forms a con- n cytoskeleton, plasma m protein inhibitor of phos n array of protein and noi us particles (4,6,8,9). Anno- n the surface of macroph nd Factor Xa signaling, re be modulated by phosph has recently been show utility, invasiveness, and o exin A2 has also been show	d other proteins in a d h repeats through wh stitutive heterotetran embrane, and endoc pholipase A2, annexi n-protein partners, in exin A2 has also beer espectively (10-13). U horylation at Tyr23 by n to be required for coverall metastatic pot overall metastatic pot own to be heavily pho chanism (21-23). For	nain, is a 36 kDa member of the calcium-dependent manner via nich it mediates protein-protein ner with S100A10, acting as a ytotic vesicle machinery (5-7). In A2 has subsequently been ncluding F-actin, spectrin, SNARE in shown to have receptor-like indothelial cells where it mediates pregulation of annexin A2 at the y Src (14-18). Interestingly, sell surface expression of annexin ential of certain pancreatic isphorylated on serine residues a complete list of curated www.phosphosite.org.
Background Refe	erences	2. Gerke, V. and Weber, K 3. Glenney, J.R. and Tack, 4. Gerke, V. and Weber, K 5. Illien, F. et al. (2010) <i>Bi</i> 6. Umbrecht-Jenck, E. et 7. Jung, M.J. et al. (2010) 8. Filipenko, N.R. et al. (2 9. Wright, J.F. et al. (1994)	Exp Cell Res 316, 1234-40 004) J Biol Chem 279, 872) Biochem Biophys Res Co al. (2008) Circ Res 102, 45 Res 102, 389-91. 07) J Leukoc Biol 82, 1174 04) J Biol Chem 279, 4341 36) Cell 46, 191-9. 4) Mol Cell Biol 4, 77-85. EBS Lett 192, 79-82. verg, J. (2009) J Biol Chem	20. d Sci USA 82, 7884-8. 5. 5. 5. 71. 5. 7. 7. 7. 84. 1-8. 284, 1604-11.	

	20. Zheng, L. et al. (2011) <i>PLoS One</i> 6, e19390. 21. Gould, K.L. et al. (1986) <i>Mol Cell Biol</i> 6, 2738-44. 22. Luo, W. et al. (2008) <i>Mol Carcinog</i> 47, 934-46. 23. He, K.L. et al. (2011) <i>J Biol Chem</i> 286, 15428-39.		
Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).		
Applications Key	FC-FP: Flow Cytometry (Fixed/Permeabilized)		
Cross-Reactivity Key	H: Human M: Mouse R: Rat Mk: Monkey B: Bovine Pg: Pig		
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19. Nedjadi, T. et al. (2009) Br J Cancer 101, 1145-54.