

3904

Gα(z) Antibody



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

Applications: W	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 40	Source/Isotype: Rabbit	UniProt ID: #P19086	Entrez-Gene Id: 2781
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM so 20°C. Do not aliquot t	**	s), 150 mM NaCl, 100 μg,	/ml BSA and 50% gl	ycerol. Store at –
Specificity/Sensitivity		$G\alpha(z)$ Antibody detects endogenous levels of total $G\alpha(z)$ protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to human $G\alpha(z)$. Antibodies are purified using protein A and peptide affinity chromatography.				
BackgroundHeterotrimeric guanine nucleotide-binding proteins (G proteins) consist of α, β and γ mediate the effects of hormones, neurotransmitters, chemokines, and sensory stimul known Gα subunits have been classified into four families, Gα(s), Gα(i/o), Gα(q) and Gα structural and functional similarities (1,2). Phosphorylation of Tyr356 of Gα(q)/Gα(11) is activation of the G protein, since phenylalanine substitution for Tyr356 changes the in with receptors and abolishes ligand-induced IP_3 formation (3).Gα(z) stands out from other G proteins because it lacks an ADP-ribosylation consensu pertussis toxin, giving it a possible role in signal transduction pathways resistant to the phospholipase C (4). Gα(z) is phosphorylated and activated by protein kinase C (PKC) at the phospholipase C (4). Gα(z) is phosphorylated and activated by protein kinase C (PKC) at the phospholipase C (4). Gα(z) is phosphorylated and activated by protein kinase C (PKC) at the phosphorylated and activated by protein kinase C (PKC) at the phosphorylated and activated by protein kinase C (PKC) at the phosphorylated and activated by protein kinase C (PKC) at the phosphorylated and activated by protein kinase C (PKC) at the phosphorylated and activated by protein kinase C (PKC) at the phosphorylated and activated by protein kinase C (PKC) at the phosphorylated and activated by protein kinase C (PKC) at the phosphorylated and activated by protein kinase C (PKC) at the phosphorylated and activated by protein kinase C (PKC) at the phosphorylated and activated by protein kinase C (PKC) at the phosphorylated and activated by protein kinase C (PKC) at the phosphorylated and activated by protein kinase C (PKC) at the phosphorylated and activated by protein kinase C (PKC) at the phosphorylated and activated by protein kinase C (PKC) at the phosphorylated and activated by protein kinase C (PKC) at the phosphorylated and activated by protein kinase C (PKC) at the phosphorylated and activated by protein kinas						uli. To date, over 20 Gα(12), based on) is essential for interaction of Gα us site for the toxin, such as
 Offermanns, S. (2001) Oncogene 20, 1635-42. Pierce, K.L. et al. (2002) Nat Rev Mol Cell Biol 3, 639-50. Umemori, H. et al. (1997) Science 276, 1878-81. Fong, H.K. et al. (1988) Proc Natl Acad Sci USA 85, 3066-70. Fields, T.A. and Casey, P.J. (1995) J Biol Chem 270, 23119-25. Ho, M.K. et al. Biol Signals Recept 9, 21-8. 						
Species Reactivi	tv	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g	western blot).

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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

W: Western Blotting

Cross-Reactivity Key

H: Human M: Mouse R: Rat

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