

Sec61A1 (D4K2Z) Rabbit mAb



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Applications: W, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 40	Source/Isotype: Rabbit IgG	UniProt ID: #P61619	Entrez-Gene Id: 29927
Product Usage Information	•	Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:100	
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		Sec61A1 (D4K2Z) Rabbit mAb recognizes endogenous levels of total Sec61A1 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Lys107 of human Sec61A1 protein.				
Background		mediate membrane pr complex, Sec61A, Sec6 membrane and directly insertion (3). Sec61G fu translocon has also be inhibit this leakage by target protein ER mem EGFR and Her2 traffick	otein insertion into 1B, and Sec61G (2) y contacts nascent inctions in stablizir en shown to be inv their interaction wi brane insertion, bu ing from the cytosi	cated on the endoplasm the organelle (1). There . Sec61A is the main cor synthesized polypeptide of the channel (3). In ad- olved in ER calcium leak th Sec61A (6,7). Sec61B ut is involved in other ve ol to nucleus (8,9), Gurke ATPase membrane dist	e are three compon nponent of the cha e TMD (transmemb dition to TMD inser age (4,5). Both Bip has no obvious fun sicle trafficking pro en trafficking from	ents in the nnel on the ER rane domain) for tion, Sec61 and calmodulin can ction related to ecesses such as
Background References		1. Shao, S. and Hegde, R.S. (2011) <i>Annu Rev Cell Dev Biol</i> 27, 25-56. 2. Hartmann, E. et al. (1994) <i>Nature</i> 367, 654-7. 3. Van den Berg, B. et al. (2004) <i>Nature</i> 427, 36-44. 4. Flourakis, M. et al. (2006) <i>FASEB J</i> 20, 1215-7. 5. Lang, S. et al. (2001) <i>Channels (Austin)</i> 5, 228-35. 6. Erdmann, F. et al. (2011) <i>EMBO J</i> 30, 17-31. 7. Schäuble, N. et al. (2012) <i>EMBO J</i> 31, 3282-96. 8. Wang, Y.N. et al. (2010) <i>J Biol Chem</i> 285, 38720-9. 9. Wang, Y.N. et al. (2012) <i>J Biol Chem</i> 287, 16869-79. 10. Kelkar, A. and Dobberstein, B. (2009) <i>BMC Cell Biol</i> 10, 11. 11. Abada, P.B. et al. (2012) <i>Mol Pharmacol</i> 82, 510-20.				

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 nonfat

dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key W: Western Blotting IP: Immunoprecipitation

Cross-Reactivity Key H: Human M: Mouse R: Rat

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