

Sec61A1 (D7Q6V) 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 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Sec61A1 (D7Q6V) 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 Arg273 of human Sec61A1 protein.				
Background		mediate membrane p complex, Sec61A, Seci membrane and direct insertion (3). Sec61G f translocon has also be inhibit this leakage by target protein ER mer EGFR and Her2 traffici	rotein insertion into 51B, and Sec61G (2 ly contacts nascent unctions in stablizing een shown to be into their interaction we nbrane insertion, be king from the cytos	cated on the endoplasm of the organelle (1). There is Sec61A is the main consynthesized polypeptiding the channel (3). In advolved in ER calcium leak ith Sec61A (6,7). Sec61B ut is involved in other veroll to nucleus (8,9), Gurkey ATPase membrane dist	e are three compon mponent of the cha e TMD (transmemb dition to TMD inser kage (4,5). Both Bip has no obvious fun esicle trafficking pro en trafficking from	ents in the nnel on the ER rane domain) for tion, Sec61 and calmodulin can ction related to cesses 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 de	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 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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