

GABARAPL2 (D1W9T) Rabbit mAb



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Applications:	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 14	Source/Isotype: Rabbit IgG	UniProt ID: #P60520	Entrez-Gene Id 11345
Product Usage Information		Application Western Blotting		Dilution 1:1000		
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		GABARAPL2 (D1W9T) Rabbit mAb recognizes endogenous levels of total GABARAPL2 protein. Bands of unknown origin are detected at 80 and 110 kDa in some cell lines. This antibody has a preference for the Type I form of GABARAPL2.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human GABARAPL2 protein.				
Background		which was originally trafficking to the plas protein light chain 3 in membranes following GABARAP is cleaved a phosphatidylethanol. I to a type II membra involves cleavage by Atg7 and Atg3 (7,8). Cestrogen inducible gGABARAPL2/GATE-16 ethylmaleimide sensi	discovered as a protoma membrane (1). I (LC3) and GATE-16 ((g autophagic stimul at its carboxyl terminamine or phosphatione bound form invoktg4 family membe GABARAPL1/GEC1, a ene, and is also asso was identified as a tive factor (NSF) and	ARAP) is an Atg8 family pein associated with the Proteins in this family. GABARAPL2), become in its such as starvation (2). I hous, which leads to conjudylserine (3,4). This proceived in autophagosome rs (5,6) followed by conjudylserine with autophagos modulator of membranthe Golgi v-SNARE GOSRP7), the GTPase GIMAP	GABA _A receptor reconcluding microtubul corporated into the Like the other family ugation by either of dessing converts GA be biogenesis. Procesugation by the E1 and lated to GABARAP, soomes (9-11). The transport, interactive (2). In addition	julating receptor e-associated autophagosomal y members, the phospholipids BARAP from a type sing of GABARAP nd E2 like enzymes was identified as an ting with N- , GABARAPL2
Background References		1. Wang, H. et al. (1999) <i>Nature</i> 397, 69-72. 2. Shpilka, T. et al. (2011) <i>Genome Biol</i> 12, 226. 3. Kabeya, Y. et al. (2004) <i>J Cell Sci</i> 117, 2805-12. 4. Sou, Y.S. et al. (2006) <i>J Biol Chem</i> 281, 3017-24. 5. Tanida, I. et al. (2004) <i>J Biol Chem</i> 279, 36268-76. 6. Hemelaar, J. et al. (2003) <i>J Biol Chem</i> 278, 51841-50. 7. Tanida, I. et al. (2001) <i>J Biol Chem</i> 276, 1701-6. 8. Tanida, I. et al. (2001) <i>J Biol Chem</i> 277, 13739-44. 9. Chakrama, F.Z. et al. (2010) <i>Autophagy</i> 6, 495-505. 10. Pellerin, I. et al. (1993) <i>Mol Cell Endocrinol</i> 90, R17-21. 11. Vernier-Magnin, S. et al. (2001) <i>Biochem Biophys Res Commun</i> 284, 118-25. 12. Sagiv, Y. et al. (2000) <i>EMBO J</i> 19, 1494-504. 13. Zhong, W. et al. (2011) <i>Exp Cell Res</i> 317, 2353-63. 14. Pascall, J.C. et al. (2013) <i>PLoS One</i> 8, e77782. 15. Choi, S. and Kim, H.J. (2014) <i>Biochem Biophys Res Commun</i> 443, 56-61.				

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 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 Mk: Monkey

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