

AUP1 Antibody



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

Applications: W	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 42	Source/Isotype: Rabbit	UniProt ID: #Q9Y679	Entrez-Gene Id 550
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 B 20°C. <i>Do not aliquot the antibody.</i>				/ml BSA and 50% g	lycerol. Store at –	
Specificity/Sensitivity		AUP1 Antibody recognizes endogenous levels of total AUP1 protein.				
Species predicted to react based on 100% sequence homology		Bovine				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gln320 of human AUP1 protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		machinery responsib contains four conservations followed by an acyltra AUP1 to both the ER the G2BR domain allo presence of these bir protein degradation (ER-derived organelles protein function resu	le for the ubiquitin- yed domains, with a ansferase domain (2 and to cytosolic lipid bws for association l iding domains sugg (2). Research studies s that are sites for s lts in decreased ubi	component of the ER-ass mediated degradation o long, amino-terminal st). Amino-terminal prote I droplets (3). The AUP1 between AUP1 and E2 co ests a central role for AU s indicate that AUP1 reco corage and hydrolysis of quitin-mediated degrad A-reductase and the ch	If misfolded protein tretch of hydrophob in sequences direct CUE domain binds onjugating enzyme JP1 in the ubiquitin ruits UBE2G2 to cyto neutral lipids. Inhi ation of several pro	s (1). AUP1 protein sic amino acids localization of ubiquitin (4), while UBE2G2 (5,6). The ation-mediated osolic lipid droplets, bition of AUP1 teins, including the
Background References		 Mueller, B. et al. (2008) Proc Natl Acad Sci U S A 105, 12325-30. Spandl, J. et al. (2011) J Biol Chem 286, 5599-606. Stevanovic, A. and Thiele, C. (2013) J Lipid Res 54, 503-13. Lohmann, D. et al. (2013) PLoS One 8, e72453. Klemm, E.J. et al. (2011) J Biol Chem 286, 37602-14. Jo, Y. et al. (2013) Mol Biol Cell 24, 169-83. 				
Species Reactiv	rity	Species reactivity is d	etermined by testin	g in at least one approv	ed 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				

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Cross-Reactivity Key H: Human Mk: Monkey

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