Rabbit mAb

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730

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Cell Signaling Phospho-AS160 (Ser588) (D8E4)

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Applications: WB, IP	Reactivity: H M	Sensitivity: Endogenous	<b>MW (kDa):</b> 160	Source/Isotype: Rabbit IgG	<b>UniProt ID:</b> #O60343	Entrez-Gene Id: 9882
Product Usage Information	We	pplication estern Blotting munoprecipitation			<b>Dilution</b> 1:1000 1:50	
Storage	•	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity / Sensi		Phospho-AS160 (Ser588) (D8E4) Rabbit mAb recognizes endogenous levels of AS160 protein only when phosphorylated at Ser588.				
Species predicted react based on 10 sequence homolo	0%					
Source / Purificati		noclonal antibody is p dues surrounding Se		nunizing animals with a s AS160 protein.	synthetic peptide corre	sponding to
Background	Insu ada mus the GTI tissu bee incr that in s pho	ulin binds to and activ ptor proteins. The sig scle cells and adipocy plasma membrane (1 Pase-activating protei ues including brain, k in identified on AS160 eased phosphorylatic insulin-stimulated ph ome patients with typ sphorylated at Thr642	ates the insulin maling pathway rtes through trar .). A 160 kDa su in that regulates idney, liver, and 0 in vivo, with fiv on following insu- tosphorylation o e 2 diabetes (4) 2 is a necessary	tical energy functions, s receptor (IR) tyrosine ki initiated by insulin and i islocation of the Glut4 g bstrate of the Akt Ser/Th insulin-stimulated Glut4 brown and white fat (2), e sites (Ser318, Ser570 lin treatment (2,3). Stud f AS160 is a crucial step . The interaction of 14-3 y step for Glut4 transloca thraction-stimulated Glut	nase, which phosphory ts receptor stimulates lucose transporter from rr kinase (AS160, TBC trafficking. AS160 is e Multiple Akt phosphor , Ser588, Thr642, and ies using recombinant o in Glut4 translocation I-3 regulatory proteins ation (5). Phosphorylat	ylates and recruits glucose uptake in n the cytoplasm to C1D4) is a Rab expressed in many rylation sites have Thr751) showing AS160 demonstrate (3) and is reduced with AS160
Background Refe	2. K 3. S 4. K 5. R	Vatson, R.T. and Pess (ane, S. et al. (2002) (ano, H. et al. (2003) (arlsson, H.K. et al. (2 (2006) (amm, G. et al. (2006) (amer, H.F. et al. (2006)	J. Biol. Chem. 2 J. Biol. Chem. 2 005) Diabetes 5 ) J. Biol. Chem.	78, 14599-602. 54, 1692-7. 281, 29174-80.	., 215-22.	
Species Reactivity	<b>y</b> Spec	cies reactivity is deter	mined by testing	g in at least one approve	ed application (e.g., we	estern blot).
Western Blot Buff		ORTANT: For western 6 Tween® 20 at 4°C w		membrane with diluted ing, overnight.	primary antibody in 5%	6 w/v BSA, 1X TBS,
Applications Key	WB	: Western Blotting IP:	Immunoprecipi	tation		
Cross-Reactivity I	<b>X:</b> X		B: bovine Dg: d	Mk: monkey Vir: virus N og Pg: pig Sc: S. cerevi es expected		-

Phospho-AS160 (Ser588) (D8E4) Rabbit mAb (#8730) Datasheet Without Images Cell Signaling Technology

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