IRS-1 (D23G12) Rabbit mAb



Orders: 877-616-CELL (2355)

orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com

cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Product Usage Application Information Western Blottin Simple Western Immunoprecip Storage Supplied in 10 in	M		Dilution 1:1000	
Storage Supplied in 10 a			1:50 - 1:250 1:50	
		5), 150 mM NaCl, 100 µg not aliquot the antibody.		ol and less than
Specificity/Sensitivity IRS-1 (D23G12) cross-react with		ogenous levels of total IR	S-1 protein. The ant	ibody does not
	body is produced by imr Inding Ser270 of human	munizing animals with a like IRS-1.	synthetic peptide co	orresponding to the
1 contains mult containing prot also contains o phosphorylated family (7). The I respectively (8,	ole tyrosine phosphoryla ins that mediate the me er 30 potential serine/th by JNK (5) and IKK (6) wh KC and mTOR pathways . Phosphorylation of IRS	e of the major substrates ation motifs that serve as atabolic and growth-pron reonine phosphorylation ille Ser789 is phosphorylation mediate phosphorylation at Ser1101 is mediate g a potential mechanism	s docking sites for S noting functions of n sites. Ser307 of IRS lated by SIK-2, a me n of IRS-1 at Ser612 d by PKCθ and resu	H2-domain insulin (2-4). IRS-1 5-1 is mber of the AMPK and Ser636/639, lts in an inhibition
2. Sun, X.J. et al 3. Myers Jr., M.C 4. Wang, L.M. e 5. Rui, L. et al. (6. Gao, Z. et al. 7. Horike, N. et 8. Ozes, O.N. et 9. De Fea, K. an		, 22662-22672. ogy 132, 1421-1430. 591-1594. 181-189. 48115-48121. 78, 18440-18447. d. Sci. USA 98, 4640-4645 emistry 36, 12939-12947.		

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 KeyW: Western Blotting W-S: Simple Western™ IP: Immunoprecipitation

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

Trademarks and Patents Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.

All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for

 $more\ information.$

Limited Uses Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST,

the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's

terms and conditions that are in addition to, or different from, those contained herein, unless

separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.

Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.