e at -20C	Phospho-Gab2 (Tyr452) Antibody		Cell Signaling	
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com	
31		Support	: 877-678-TECH (8324)	
#3881		Web:	info@cellsignal.com cellsignal.com	
#		3 Trask Lane Danve	rs Massachusetts 01923 USA	

For Research Use Only	. Not for Use in Diagnostic P	rocedures
FOI INESCAIGH USE OINS	Not for ose in Diagnostic F	occuures.

Applications: WB	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 98	Source: Rabbit	UniProt ID: #Q9UQC2	Entrez-Gene Id: 9846	
Product Usage Information	-	pplication estern Blotting			Dilution 1:1000		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.					
Specificity / Sensitivity		Phospho-Gab2 (Tyr452) Antibody detects endogenous levels of Gab2 only when phosphorylated at tyrosine 452. This antibody cross-reacts with phosphorylated Gab1 and Gab3.					
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Tyr452 of human Gab2. Antibodies are purified by protein A and peptide affinity chromatography.					
Background	rec ant site kin Pho Ga reg pho	eptor tyrosine kinase igen receptors. Upon mbrane where it is pl s of Gab1 protein ha ase (6,7). Phosphoryl osphorylation of Tyr62 osphatase SHP2 (6,9 b2 is also phosphoryl pulatory subunit of PI3	s (RTKs) such as I stimulation of RTH nosphorylated and ve been identified lation of Gab1 at T 27 and Tyr659 is re). ated by tyrosine ki kinase. Tyr614 is Ser159 and inhibit	EGFR, HGFR, insuli (s by their cognate li functions as a scaff (5). Phosphorylation yr307, Tyr373 and T equired for Gab1 bin nases (10,11). Tyr45 essential for SHP2 a ts Gab2 tyrosine pho	roteins recruited by a w n receptor, cytokine rece gand, Gab is recruited t old (1-4). Multiple tyrosir of Tyr472 regulates its l yr407 modulates its assi ding to and activation of 62 is a potential binding association (11). Further psphorylation, suggestin).	eptor and B cell o the plasma ne phosphorylation binding to p85 PI3 ociation to PLCy (8). the protein tyrosine site of p85, the rmore, Akt	
Background Refer	2. V 3. T 4. I 5. L 6. F 7. V 8. C 9. C 10. C 11. V	Holgado-Madruga, M. Weidner, K.M. et al. (1 Fakahashi-Tezuka, M. ngham, R.J. et al. (20 Lehr, S. et al. (1999) <i>E</i> Rocchi, S. et al. (1998) Yu, C.F. et al. (2001) S Gual, P. et al. (2000) C Cunnick, J.M. et al. (20 Yamasaki, S. et al. (20 Lynch, D.K. and Daly,	996) Nature 384, et al. (1998) Mol. 001) J Biol Chem 2 Biochemistry 38, 19 Mol. Endocrinol. J Biol Chem 276, 3 Oncogene 19, 1509 001) J Biol Chem 279 001) J Biol Chem 279	173-176. <i>Cell. Biol.</i> 18, 4109- 76, 12257-65. 51-159. 12, 914-923. 2552-8. 9-18. 276, 24380-7. 5, 26959-66. 276, 45175-83.	4117.		
Species Reactivity	y Spe	cies reactivity is dete	rmined by testing i	n at least one appro	ved application (e.g., we	estern 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		WB: Western Blotting					
Cross-Reactivity Key		 H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected 					

Trademarks and Patents

Limited Uses

Phospho-Gab2 (Tyr452) Antibody (#3881) Datasheet Without Images Cell Signaling Technology

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.

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.