-

GLTSCR2 Antibody	T C	Cell Signaling	
	Orders:	877-616-CELL (2355) orders@cellsignal.com	
525	Support:	877-678-TECH (8324)	
#73225	Web:	info@cellsignal.com cellsignal.com	
#	3 Trask Lane   Danvers   I	Massachusetts   01923   USA	

For Becoareb Lice Only	Not for Lico in	Diagnostic Procedures.
FOR Research Use Unit	y. NOUTOF USE IN	i Diagnostic Procedures.

Applications: WB	Reactivity: H	Sensitivity: Endogenous	<b>MW (kDa):</b> 62	Source: Rabbit	UniProt ID: #Q9NZM5	Entrez-Gene Id: 29997	
Product Usage Information	-	oplication estern Blotting			Dilution 1:1000		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.					
Specificity / Sensi	itivity GL	GLTSCR2 Antibody recognizes endogenous levels of total GLTSCR2 protein.					
Source / Purificat	res	•	tibodies are produced by immunizing animals with a synthetic peptide corresponding to ounding Lys410 of human GLTSCR2 protein. Antibodies are purified by protein A and peptide atography.				
Background Background Refe	viti terr the sup of d der dec act res and <b>rences</b> 1. C 2. C 3. S 4. F	h carboxyl terminus- minal region of PTEI PI3K/Akt signaling opressor role of GLT chromosome 19q, w monstrated that <i>GLT</i> crease in GLTSCR2 ivity through its invo ponse to ribosomal d stabilizes p53 tumo Okahara, F. et al. (20 Smith, J.S. et al. (2008	ha tumor suppressor candidate region gene 2 protein (GLTSCR2), also known as protein interacting carboxyl terminus-1 (PICT-1), displays tumor suppressor activity, in part, by interacting with the C- nal region of PTEN and preventing its degradation. Disruption of this interaction upregulates activity of 'I3K/Akt signaling axis and promotes cell transformation (1,2). Further evidence to support the tumor ressor role of GLTSCR2 lies in the finding that <i>GLTSCR2</i> is localized to the tumor suppressive region romosome 19q, which is subject to lesions in human brain tumors (3). Indeed, research studies have onstrated that <i>GLTSCR2</i> harbors nonsense mutations and deletions in glioblastomas, which lead to a ease in GLTSCR2 protein expression (4). GLTSCR2 has also been shown to exert tumor suppressor ty through its involvement in the nucleolar stress response. Research studies indicate that in onse to ribosomal stress, GLTSCR2 translocates from the nucleolus to the nucleoplasm where it binds stabilizes p53 tumor suppressor, which results in inhibition of cell cycle progression (5). "				
Species Reactivit	<b>y</b> Spe	cies reactivity is det	ermined by testing i	n at least one appro	oved application (e.g., we	estern blot).	
Western Blot Buff		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.					
Applications Key	WB	: Western Blotting					
Cross-Reactivity	<b>X</b> : X	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	All c	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	follo cone	cept as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the lowing terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and inditions that are in addition to, or different from, those contained herein, unless separately accepted in ting by a legally authorized representative of CST, are rejected and are of no force or effect.					

GLTSCR2 Antibody (#73225) Datasheet Without Images Cell Signaling Technology

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.