#5645 Store at -20C

Phospho-TACC3 (Ser558) Antibody



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

Applications: WB	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 140	Source: Rabbit	UniProt ID: #Q9Y6A5	Entrez-Gene Id: 10460
Product Usage Information	Ap	plication		Dilution		
momation	We	estern Blotting			1:1000	
Storage		pplied in 10 mM sod C. Do not aliquot the	· · ·	5), 150 mM NaCl, 10	00 μg/ml BSA and 50% (glycerol. Store at –
Specificity / Sensitiv		Phospho-TACC3 (Ser558) Antibody detects endogenous levels of TACC3 protein only when phosphorylated at Ser558.				
Source / Purification	resi	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ser558 of human TACC3 protein. Antibodies are purified by Protein A and peptide affinity chromatography.				
Background	coil bee cen som Whe incr of p sho	Transforming acid coiled-coil (TACC) proteins are a family of proteins characterized by a common coiled-coil motif of approximately 200 amino acids at the carboxy-terminal end (1). Three family members have been identified in humans: TACC1, TACC2, and TACC3. These proteins are thought to be involved in centrosomal microtubule assembly and have been mapped to chromosomal regions that are disrupted in some cancers (reviewed in 2). TACC3 has been shown to be upregulated in many cancer cell lines (3). When phosphorylated at Ser558 by Aurora A, mammalian TACC3 is localized to mitotic spindles and increases microtubule stability (4,5). For this reason, it has been suggested that monitoring the localization of phosphorylated TACC3 would be an effective way to determine the efficacy of Aurora A inhibitors that show promise as anti-cancer drugs (6,7). In addition, studies have shown that TACC3 could be useful as a prognostic marker for non-small cell lung cancer (8).				
Background Referer	2. P 3. S 4. K 5. S 6. L 7. T		I. (2008) Trends C Genomics 58, 165 005) J Cell Biol 170 2007) J Biol Chem 2 07) Cancer Res 67 17) Cell Cycle 6, 28	170, 1047-55. m 282, 29273-83. 67, 5362-70. 2846-54.		

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 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

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