

## 90540

## TACSTD2/TROP2 (D1W5W) Rabbit mAb



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

2% sodium azide. Si ESTD2/TROP2 (D1W noclonal antibody i	tore at –20°C. Do r	5), 150 mM NaCl, 100 µg. not aliguot the antibody.	<b>Dilution</b> 1:1000 1:50	
2% sodium azide. Si ESTD2/TROP2 (D1W noclonal antibody i	tore at –20°C. Do r		/ml BSA 50% alveor	
noclonal antibody i	C/A/) D=  -  -  -  -  -  -  -  -  -  -  -  -  -		Till B3A, 30% glycel	ol and less than
	2/TROP2 (D1W5W) Rabbit mAb recognizes endogenous levels of total TACSTD2/TROP2 protein.			
idues surrounding \		munizing animals with a s ACSTD2/TROP2 protein.	synthetic peptide co	orresponding to
nsducer 2). TROP2 verted in many type fring homeostasis (1, nsmembrane doma e and PKC phosphor thways, including the naling, the associati mation, and the reg K/MAPK pathway (1, tastasis, and invasion e cytoplasmic tail colough intramembrar	was first discovered s of cancer cells, ir ,2). TROP2 has and in, and a short cythylation site (Ser30) de interaction of its ion of its transmer gulation of intracel ,2,5-8). All these furon (1,2). PKC can performation and furne proteolysis first	n various organs during of extracellular domain with coplasmic tail with a HIKE (3) (1-4). TROP2 functions is extracellular domain with mbrane domain with Clau lular calcium release by in unctions are important for whosphorylate TROP2 at Surther promotes its signa is by TACE, followed by fur	sive trophoblast cel development, and a h EGF thyroglobulir domain containing by regulating mult th integrin beta1 to udin-1 and Claudin- ts PIP2 binding and r its role in tumor p Ger303; the phospho ling (9). TROP2 can ther cleavage by Pr	Is and later dult stem cells type-1 repeats, a g a PIP2 binding iple signaling regulate FAK 7 for tight junction I activation of the roliferation, orylation changes be activated esenilin 1 and
Shvartsur, A. and Bo El Sewedy, T. et al. (1 Linnenbach, A.J. et a Trerotola, M. et al. (2 Trerotola, M. et al. (2 Nakatsukasa, M. et a Cubas, R. et al. (2010	navida, B. (2015) ( 1998) Int J Cancer 7 Il. (1993) Mol Cell E 2013) Cancer Res 7 2015) Oncotarget ( al. (2010) Am J Pati D) Mol Cancer 9, 25 5) Sci Rep 5, 10324	Genes Cancer 6, 84-105. 75, 324-30. 3iol 13, 1507-15. 73, 3155-67. 6, 14318-28. hol 177, 1344-55.		
	ring homeostasis (1 nsmembrane domale and PKC phosphor hways, including the naling, the associate mation, and the reg (/MAPK pathway (1 tastasis, and invasic cytoplasmic tail coough intramembranesenilin 2. The prote McDougall, A.R. et a shvartsur, A. and Boel Sewedy, T. et al. (1 innenbach, A.J. et al. (2 irerotola, M. et al. (2 irerotola, M. et al. (2 ivasa, R. et al. (2010) and the coups, R. et al. (2010) and the coups and the c	ring homeostasis (1,2). TROP2 has an insmembrane domain, and a short cyte and PKC phosphorylation site (Ser30) thways, including the interaction of its naling, the association of its transmentation, and the regulation of intracel (/MAPK pathway (1,2,5-8). All these fut tastasis, and invasion (1,2). PKC can percytoplasmic tail conformation and fut ough intramembrane proteolysis first issenilin 2. The proteolysis process is refuted by the conformation and fut ough intramembrane proteolysis first issenilin 2. The proteolysis process is refuted by the conformation and fut ough intramembrane proteolysis first issenilin 2. The proteolysis process is refuted by the conformation and futer the co	orted in many types of cancer cells, in various organs during oring homeostasis (1,2). TROP2 has an extracellular domain with insmembrane domain, and a short cytoplasmic tail with a HIKE and PKC phosphorylation site (Ser303) (1-4). TROP2 functions thways, including the interaction of its extracellular domain with claim along, the association of its transmembrane domain with Claim ation, and the regulation of intracellular calcium release by its (MAPK pathway (1,2,5-8). All these functions are important for tastasis, and invasion (1,2). PKC can phosphorylate TROP2 at Section in tramembrane proteolysis first by TACE, followed by fur	Shvartsur, A. and Bonavida, B. (2015) <i>Genes Cancer</i> 6, 84-105. El Sewedy, T. et al. (1998) <i>Int J Cancer</i> 75, 324-30. Linnenbach, A.J. et al. (1993) <i>Mol Cell Biol</i> 13, 1507-15. Frerotola, M. et al. (2013) <i>Cancer Res</i> 73, 3155-67. Frerotola, M. et al. (2015) <i>Oncotarget</i> 6, 14318-28. Nakatsukasa, M. et al. (2010) <i>Am J Pathol</i> 177, 1344-55. Cubas, R. et al. (2010) <i>Mol Cancer</i> 9, 253.

**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** 

W: Western Blotting IP: Immunoprecipitation

**Cross-Reactivity Key** 

**H:** Human

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