Store at -20C

Phospho-TNK1 (Tyr277) (D46E7) Rabbit mAb



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| Applications: WB | Reactivity: H | Sensitivity: Endogenous | MW (kDa): 72 TNK1, 58 TNK1-C17orf61 | Source/Isotype: Rabbit IgG | UniProt ID: #Q13470 | Entrez-Gene Id 8711 | |
|--|---|---|--|--|------------------------|------------------------|--|
| Product Usage Information | Арј | olication | | | Dilution | | |
| | We | stern Blotting | | | 1:1000 | | |
| Storage | | Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20° C. Do not aliquot the antibody. | | | | | |
| Specificity / Sensitivity | | Phospho-TNK1 (Tyr277) (D46E7) Rabbit mAb detects endogenous levels of TNK1 protein only when the amplified gene product is phosphorylated at Tyr277. | | | | | |
| Species predicted to react based on 100% sequence homology | 6 | se, Rat | | | | | |
| Source / Purification | ation Monoclonal antibody is produced by ir residues surrounding Tyr277 of human | | | | synthetic phosphopep | tide corresponding to | |
| Background | and and com PLC med indu Phos inde obse kinas addi | inhibits GTPase ad leukemia cell lines prised of an N-tern y in vitro indicates hanism is currently ced NF-kB transac sphorylation of TNI sphoScan®, CST's pendently in anoth erved in select card se resulting from fu | ctivity of this cell cy, but is restricted to ninal kinase domain a possible role in prunclear, active TN tivation (3). K1 on Tyr277 was in LC-MS/MS platformer publication using sinoma cell lines and ision between the | s related to the Ack1 (TNK2) non-receptor kinase that binds cdc42 ycle regulator. TNK1 is broadly expressed in embryogenic tissues to select adult tissues (1). TNK1 is a putative 72 kDa protein in, a central SH3 domain and a proline-rich tail. Interaction with phospholipid signal transduction pathways (2). Though the exact NK1 may play a role in regulating cell death by preventing TNF-α-identified at Cell Signaling Technology (CST) using true for phosphorylation site discovery (4) and also reported ing MS technology (5). Phosphorylation of TNK1 at Tyr277 was and in tumors. A constitutively active, 58 kDa truncated TNK1 at TNK1 and C17orf61 genes is seen in some cells (5). For Plus [™] , CST's modification site knowledgebase, at | | | |

Background References

- 1. Hoehn, G.T. et al. (1996) Oncogene 12, 903-13.
- 2. Felschow, D.M. et al. (2000) Biochem Biophys Res Commun 273, 294-301.
- 3. Azoitei, N. et al. (2007) Oncogene 26, 6536-45.
- 4. Rush, J. et al. (2005) Nat Biotechnol 23, 94-101.
- 5. Gu, T.L. et al. (2010) Leukemia 24, 861-5.

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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Patents

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Limited Uses

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