
anti-FAST

Cat #: HM1145
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

FAST is a serine/threonine kinase that is activated rapidly by Fas activation. It is a highly phosphorylated protein and quickly dephosphorylated and activated during FAS-mediated apoptosis. FAST phosphorylates TIA-1, an apoptosis-promoting nuclear RNA-binding protein which precedes onset of DNA fragmentation.

SPECIFICITY

This antibody specifically recognizes FAST of human origin.

The antibody can be used in Western blotting, immunoprecipitation and immunostaining.

IMMUNOGEN

A recombinant C-terminus of human FAST protein.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCE

1. Tian, Q., Taupin, J., Elledge, S., Robertson, M., and Anderson, P. 1995. Fas-activated serine/threonine kinase (FAST) phosphorylates TIA-1 during Fas-mediated apoptosis. *J. Exp. Med.* 182: 865-874.
2. Hanabuchi, S., Koyanagi, M., Kawasaki, A., Shinohara, N., Matsuzawa, A., Nishimura, Y., Kobayashi, Y., Yonehara, S., Yagita, H., and Okumura, K. 1994. Fas and its ligand in a general mechanism of T-cell-mediated cytotoxicity. *Proc. Natl. Acad. Sci. USA* 91: 4930-4934.
3. Dember, L.M., Kim, N.D., Liu, K.Q., and Anderson, P. 1996. Individual RNA recognition motifs of TIA-1 and TIAR have different RNA binding specificities. *J. Biol. Chem.* 271: 2783-2788.
4. Taupin, J.L., Tian, Q., Kedersha, N., Robertson, M., and Anderson, P. 1995. The RNA-binding protein TIAR is translocated from the nucleus to the cytoplasm during Fas-mediated apoptotic cell death. *Proc. Natl. Acad. Sci. USA* 92: 1629-1633.

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