

## Polyclonal Antibody to TIA-1

**Alternate names:** GMP17, TIA1

**Catalog No.:** AP00233PU-N

**Quantity:** 0.1 mg

**Concentration:** 0.2 mg/ml

**Background:** TIA-1 and TIAR are two closely related proteins that are thought to function as mediators of apoptotic cell death. TIA-1 is found in the granules of cytotoxic lymphocytes, whereas TIAR expression is limited to the nucleus and found in a much broader range of cells including, but not limited to, cells of hematopoietic origin. TIAR is translocated to the cytoplasm shortly after Fas ligation and this event immediately proceeds the onset of DNA fragmentation. A novel serine/threonine kinase that is activated as a result of Fas ligation, designated FAST (Fas-activated serine/threonine), shows kinase specificity towards both TIA-1 and TIAR.

**Host:** Goat

**Format:** **State:** liquid

**Purification:** purified

**Buffer System:** Supplied in phosphate-buffered saline (PBS) containing 50 % glycerol, 1 % BSA, and 0.02 % sodium azide.

**Applications:** The antibody can be used in Western blotting (1-4 µg/ml), immunoprecipitation (15-25 µg/ml), and immunohistochemistry (15-25 µg/ml).

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:** The antibody recognizes TIA-1.

**Species:** Human, mouse, rat. Reactivity to other species has not been tested.

Other species not tested.

**Storage:** Store at -20 °C. For long term storage, aliquot and freeze at -70 °C. Avoid repeated freeze/defrost cycles.

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