Goat anti-TIA1 Antibody

Item Number	dAP-1093

Target Molecule

Principle Name: TIA1; Official Symbol: TIA1; All Names and Symbols: TIA1; TIA1 cytotoxic granule-associated RNA binding protein ; TIA1 cytotoxic granule-associated RNA-binding protein; TIA1 protein; cytotoxic granule-associated RNA-binding protein; p40-TIA-1 (containing p15-TIA-1); Accession Number (s): NP_071320.1; NP_071505.1; Human Gene ID(s): 7072; Non-Human GeneID(s): 21841 (mouse) 312510 (rat)

Immunogen

PKSTYESNTKQ, is from internal region
This antibody is expected to recognise both reported isoforms (NP_071320.1 and NP_071505.1).

Applications

Pep ELISA, WB, IF, IHC

Species Tested: Human

Purification

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied As

lyophilized powder of 50ug or 100ug IgG; Reconsititute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Peptide ELISA

Peptide ELISA: antibody detection limit dilution 1 to 128000.

Western Blot

Western Blot: Approx 40kDa band observed in lysates of cell line Jurkat (calculated MW of 41.8kDa according to NP_071320.1). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour.
An additional band at 80kDa and a very strong 26kDa is a

IHC

Immunohistochemistry: Paraffin embedded Human Thyroid. Recommended concentration: 3.75µg/ml.

Reference

Reference(s): Yang F, Peng Y, Murray EL, Otsuka Y, Kedersha N, Schoenberg DR. Polysome-bound endonuclease PMR1 is targeted to stress granules via stress-specific binding to TIA-1. Mol Cell Biol. 2006 Dec;26(23):8803-13. Epub 2006 Sep 18. .PMID: 16982678 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only