

Cat. No:	ABN19383
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Synthesized peptide derived from part region of human protein
Reactivity:	Human,Mouse
Applications:	WB 1:500-1:2000,ELISA 1:5000-1:20000
Molecular Weight:	76kDa
Purification:	Affinity purification

Background:	<p>This gene encodes a member of the testis-specific protein Y-encoded, TSPY-like/SET/nucleosome assembly protein-1 superfamily. The encoded protein is localized to the nucleolus where it functions in chromatin remodeling and as an inhibitor of cell-cycle progression. This protein may play a role in the suppression of tumor growth. [provided by RefSeq, Sep 2009],function:Part of the CASK/TRB1/TSPYL2 transcriptional complex which modulates gene expression in response to neuronal synaptic activity, probably by facilitating nucleosome assembly. May inhibit cell proliferation by inducing p53-dependent CDKN1A expression.,induction:Up-regulated in growth-arrested T-cells. Induced by TGFB1 and all-trans retinoic acid in lung cancer cells (at protein level).,miscellaneous:Subject to X inactivation.,miscellaneous:Synaptic activity down-regulates TSPYL2 protein levels by inducing rapid proteasomal degradation.,PTM:Phosphorylation at Ser-20 and/or Thr-340 impairs function on cell proliferation.,similarity:Belongs to the nucleosome assembly protein (NAP) family.,subcellular location:Enriched in transcriptionally active regions of chromatin in neurons.,subunit:Interacts with histones. Interacts with CASK. Part of a complex containing CASK, TRB1 and TSPYL2.,tissue specificity:Ubiquitously expressed, with highest levels in brain, testis and heart, and lowest levels in liver and pancreas.,</p>
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.

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