

Product name:	TSYL2 Rabbit Polyclonal Antibody
Cat number:	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
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.
Background:	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.,