

Anti-TIN2 Antibody

Catalog # AP51566

Product Information

Application	WB
Primary Accession	Q9BSI4
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50023

Additional Information

Gene ID	26277
Other Names	TIN2; TERF1-interacting nuclear factor 2; TRF1-interacting nuclear protein 2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human TIN2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

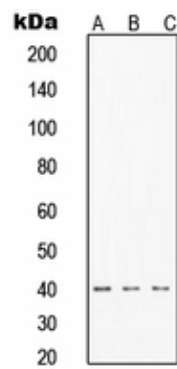
Protein Information

Name	TINF2
Synonyms	TIN2
Function	Component of the shelterin complex (telosome) that is involved in the regulation of telomere length and protection. Shelterin associates with arrays of double-stranded TTAGGG repeats added by telomerase and protects chromosome ends; without its protective activity, telomeres are no longer hidden from the DNA damage surveillance and chromosome ends are inappropriately processed by DNA repair pathways. Plays a role in shelterin complex assembly. Isoform 1 may have additional role in tethering telomeres to the nuclear matrix.
Cellular Location	Nucleus. Chromosome, telomere. Note=Associated with telomeres
Tissue Location	Detected in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas

References

Kim S.-H.,et al.Nat. Genet. 23:405-412(1999).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Loayza D.,et al.Nature 423:1013-1018(2003).
Ye J.Z.-S.,et al.Genes Dev. 18:1649-1654(2004).
Ye J.Z.-S.,et al.J. Biol. Chem. 279:47264-47271(2004).

Images



Western blot analysis of TIN2 expression in MCF7 (A), HeLa (B), Jurkat (C) whole cell lysates. (Predicted band size: 15; 39; 50 kD; Observed band size: 40-45 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.