10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Tin2 Antibody

Rabbit mAb
Catalog # AP92214

Product Information

Application	WB
Primary Accession	Q9BSI4
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	DKCA3; Tin 2; TIN2; TINF 2; Tinf2;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	50023

Additional Information

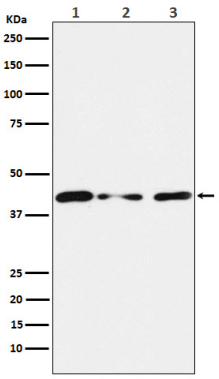
Dilution	WB 1:500~1:1000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Tin2
Description	Component of the shelterin complex (telosome) that is involved in the regulation of telomere length and protection. Shelterin associates with arrays of double-stranded TTAGGG 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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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

Images



Western blot analysis of Tin2 expression in (1) HUVEC cell lysate; (2) NIH/3T3 cell lysate; (3) PC12 cell lysate.

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