

产品名称: TIN2 Rabbit Polyclonal Antibody
产品货号: APRab18956



产品概述 (Summary)

产品名称 (Production Name)	TIN2 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	TINF2
别名 (Alternative Names)	TINF2; TIN2; TERF1-interacting nuclear factor 2; TRF1-interacting nuclear protein 2
基因 ID (Gene ID)	26277.0
蛋白 ID (SwissProt ID)	Q9BSI4.The antiserum was produced against synthesized peptide derived from human TINF2. AA range:71-120

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	53kDa

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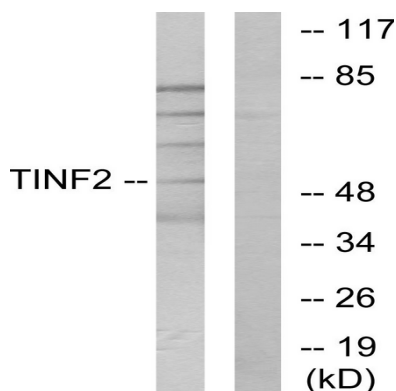
研究背景 (Background)

This gene encodes one of the proteins of the shelterin, or telosome, complex which protects telomeres by allowing the cell to distinguish between telomeres and regions of DNA damage. The protein encoded by this gene is a critical part of shelterin; it interacts with the three DNA-binding proteins of the shelterin complex, and it is important for assembly of the complex. Mutations in this gene cause dyskeratosis congenita (DKC), an inherited bone marrow failure syndrome. [provided by RefSeq, Mar 2010], alternative products: Experimental confirmation may be lacking for some isoforms, disease: Defects in TINF2 are a cause of dyskeratosis congenita autosomal dominant (ADDKC) [MIM:127550]; also known as dyskeratosis congenita Scoggins type. ADDKC is a rare, progressive bone marrow failure syndrome characterized by the triad of reticulated skin hyperpigmentation, nail dystrophy, and mucosal leukoplakia. Early mortality is often associated with bone marrow failure, infections, fatal pulmonary complications, or malignancy., disease: Defects in TINF2 are a cause of retinopathy exudative with bone marrow failure (ERBMF) [MIM:268130]; also known as Revesz syndrome. ERBMF is characterized by bilateral exudative retinopathy, bone marrow hypoplasia, nail dystrophy, fine hair, cerebellar hypoplasia, and growth retardation., 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., subcellular location: Associated with telomeres., subunit: Monomer. Found in a complex with POT1; TERF1 and TNKS1. Component of the shelterin complex (telosome) composed of TERF1, TERF2, TINF2, TERF2IP ACD and POT1. Binds to TERF1 and ACD., tissue specificity: Detected in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.,

研究领域 (Research Area)

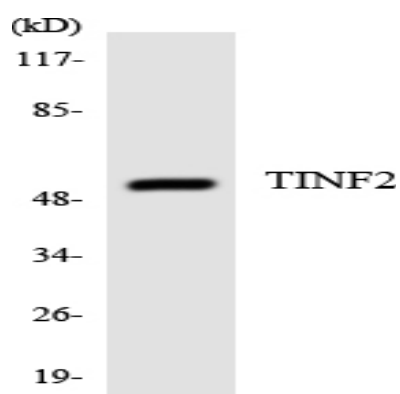
Epigenetics and Nuclear Signaling

图片 (Image Data)



Western blot analysis of lysates from HUVEC cells, using TINF2 Antibody. The lane on the right is blocked with the synthesized peptide.

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Western blot analysis of the lysates from HeLa cells using TIN2 antibody.

注意事项 (Note)

For research use only .