

产品名称: TRPV4 Rabbit Polyclonal Antibody
产品货号: APRab19330



产品概述 (Summary)

产品名称 (Production Name)	TRPV4 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

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)	TRPV4 TRPV4; VRL2; VROAC; Transient receptor potential cation channel subfamily V member 4; TrpV4; Osm-9-like TRP channel 4; OTRPC4; Transient receptor potential protein 12; TRP12;Vanilloid receptor-like channel 2; Vanilloid receptor-like protein 2; VRL-2; Vanilloid receptor-related osmotically-activated channel; VR-OAC
别名 (Alternative Names)	
基因 ID (Gene ID)	59341.0
蛋白 ID (SwissProt ID)	Q9HBA0.The antiserum was produced against synthesized peptide derived from human TRPV4. AA range:417-466

产品应用 (Application)

产品名称: TRPV4 Rabbit Polyclonal Antibody
产品货号: AP Rab19330



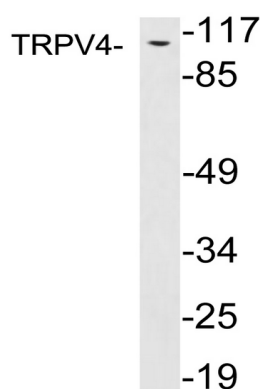
稀释比 (Dilution Ratio) WB 1:500-1:2000, ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight) 98kDa

研究背景 (Background)

transient receptor potential cation channel subfamily V member 4 (TRPV4) Homo sapiens This gene encodes a member of the OSM9-like transient receptor potential channel (OTRPC) subfamily in the transient receptor potential (TRP) superfamily of ion channels. The encoded protein is a Ca^{2+} -permeable, nonselective cation channel that is thought to be involved in the regulation of systemic osmotic pressure. Mutations in this gene are the cause of spondylometaphyseal and metatropic dysplasia and hereditary motor and sensory neuropathy type IIC. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2010], disease: Defects in TRPV4 are the cause of brachyolmia type 3 [MIM:113500]; also called brachyrachia. The brachyolmias constitute a clinically and genetically heterogeneous group of skeletal dysplasias characterized by a short trunk, scoliosis and mild short stature. Type 3 brachyolmia is an autosomal dominant form with severe kyphoscoliosis and flattened, irregular cervical vertebrae., function: Non-selective calcium permeant cation channel probably involved in osmotic sensitivity and mechanosensitivity. Activation by exposure to hypotonicity within the physiological range exhibits an outward rectification. Also activated by low pH, citrate and phorbol esters. Increase of intracellular Ca^{2+} potentiates currents. Channel activity seems to be regulated by a calmodulin-dependent mechanism with a negative feedback mechanism., similarity: Belongs to the transient receptor family. TrpV subfamily., similarity: Contains 3 ANK repeats., subcellular location: Assembly of the putative homotetramer occurs primarily in the endoplasmic reticulum., subunit: Homotetramer (Probable). Self-associates in an isoform-specific manner. Isoforms 1/A and 5/D but not isoform 2/B, 4/C and 6/E can oligomerize. Interacts with calmodulin. Interacts with Map7 and Src family Tyr protein kinases LYN, SRC, FYN, HCK, LCK and YES.,

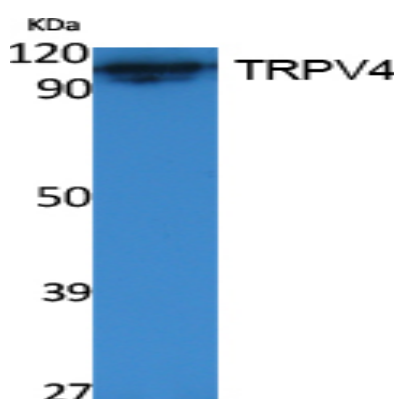
研究领域 (Research Area)

图片 (Image Data)



Western blot analysis of lysates from PC12 cells, using TRPV4 antibody.

产品名称: TRPV4 Rabbit Polyclonal Antibody
产品货号: AP Rab19330



Western Blot analysis of extracts from K562 cells, using TRPV4 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

注意事项 (Note)

For research use only .