

产品名称: BTR1 Rabbit Polyclonal Antibody
产品货号: APRab07692



产品概述 (Summary)

产品名称 (Production Name)	BTR1 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,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)	SLC4A11
别名 (Alternative Names)	SLC4A11; BTR1; Sodium bicarbonate transporter-like protein 11; Bicarbonate transporter-related protein 1; Sodium borate cotransporter 1; NaBC1; Solute carrier family 4 member 11
基因 ID (Gene ID)	83959.0
蛋白 ID (SwissProt ID)	Q8NBS3.The antiserum was produced against synthesized peptide derived from human SLC4A11. AA range:291-340

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	100kDa

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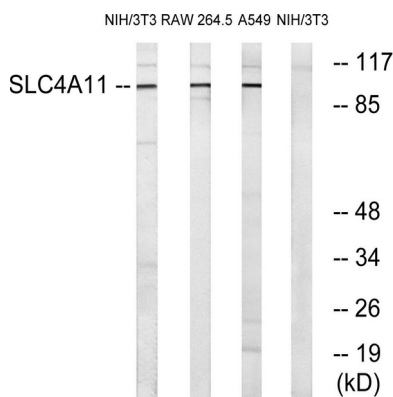


研究背景 (Background)

This gene encodes a voltage-regulated, electrogenic sodium-coupled borate cotransporter that is essential for borate homeostasis, cell growth and cell proliferation. Mutations in this gene have been associated with a number of endothelial corneal dystrophies including recessive corneal endothelial dystrophy 2, corneal dystrophy and perceptive deafness, and Fuchs endothelial corneal dystrophy. Multiple transcript variants encoding different isoforms have been described. [provided by RefSeq, Mar 2010],disease:Defects in SLC4A11 are the cause of corneal dystrophy and perceptive deafness (CDPD) [MIM:217400]; also known as corneal dystrophy and sensorineural deafness or Harboyan syndrome. CDPD consists of congenital corneal endothelial dystrophy and progressive perceptive deafness. Inheritance is autosomal recessive.,disease:Defects in SLC4A11 are the cause of corneal endothelial dystrophy type 2 (CHED2) [MIM:217700]; also known as congenital hereditary endothelial dystrophy of cornea. This bilateral corneal dystrophy is characterized by corneal opacification and nystagmus. Inheritance is autosomal recessive.,function:Transporter involved in borate homeostasis. In the absence of borate, it functions as a Na(+) and OH(-)(H(+)) channel. In the presence of borate functions as an electrogenic Na(+) coupled borate cotransporter.,PTM:Glycosylated.,similarity:Belongs to the anion exchanger (TC 2.A.31) family.,tissue specificity:Widely expressed. Highly expressed in kidney, testis, salivary gland, thyroid, trachea and corneal endothelium. Not detected in retina and lymphocytes.,

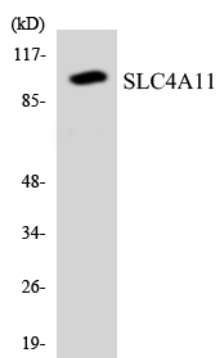
研究领域 (Research Area)

图片 (Image Data)

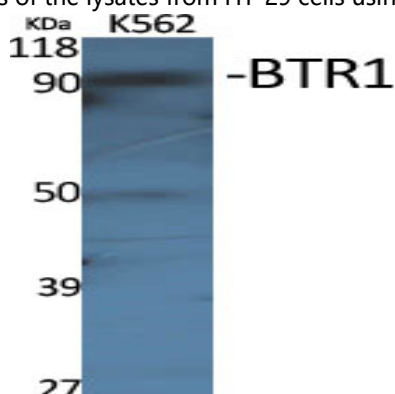


Western blot analysis of lysates from NIH/3T3, RAW264.7, and A549 cells, using SLC4A11 Antibody. The lane on the right is blocked with the synthesized peptide.

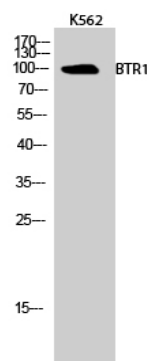
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Western blot analysis of the lysates from HT-29 cells using SLC4A11 antibody.



Western Blot analysis of various cells using BTR1 Polyclonal Antibody



Western Blot analysis of K562 cells using BTR1 Polyclonal Antibody

注意事项 (Note)

For research use only .