

产品名称: ZO-2 Rabbit Polyclonal Antibody
产品货号: APRab20304



产品概述 (Summary)

产品名称 (Production Name)	ZO-2 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)	TJP2
别名 (Alternative Names)	TJP2; X104; ZO2; Tight junction protein ZO-2; Tight junction protein 2; Zona occludens protein 2; Zonula occludens protein 2
基因 ID (Gene ID)	9414.0
蛋白 ID (SwissProt ID)	Q9UDY2.The antiserum was produced against synthesized peptide derived from human ZO-2. AA range:1063-1112

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	160kDa

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研究背景 (Background)

This gene encodes a zonula occludens that is a member of the membrane-associated guanylate kinase homolog family. The encoded protein functions as a component of the tight junction barrier in epithelial and endothelial cells and is necessary for proper assembly of tight junctions. Mutations in this gene have been identified in patients with hypercholanemia, and genomic duplication of a 270 kb region including this gene causes autosomal dominant deafness-51. Alternatively spliced transcripts encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011], disease: Defects in TJP2 are involved in familial hypercholanemia (FHCA) [MIM:607748]. FHCA is a disorder characterized by elevated serum bile acid concentrations, itching, and fat malabsorption., function: Plays a role in tight junctions and adherens junctions., similarity: Belongs to the MAGUK family., similarity: Contains 1 guanylate kinase-like domain., similarity: Contains 1 SH3 domain., similarity: Contains 3 PDZ (DHR) domains., subcellular location: Also nuclear under environmental stress conditions and in migratory endothelial cells and subconfluent epithelial cell cultures., subunit: Homodimer, and heterodimer with ZO1. Interacts with occludin, SAFB and UBN1. Interaction with SAFB occurs in the nucleus., tissue specificity: This protein is found in epithelial cell junctions. Isoform A1 is abundant in the heart and brain whereas isoform C1 is expressed at high level in the kidney, pancreas, heart and placenta. In brain and skeletal muscle, only isoform A1 is detectable. Isoform C1 is found in normal as well as in most neoplastic tissues while isoform A1 is present almost exclusively in normal tissue.,

研究领域 (Research Area)

Tight junction; Vibrio cholerae infection;

图片 (Image Data)



Western blot analysis of lysate from K562 cells, using ZO-2 antibody.

注意事项 (Note)

For research use only .