

产品名称: Shank 2 Rabbit Polyclonal Antibody

产品货号: APRab17852

产品概述 (Summary)

描述(Description)	Rabbit polyclonal Antibody
宿主(Host)	Rabbit
应用(Application)	WB,IHC
种属反应(Reactivity)	Human,Rat,Mouse
偶联物(Conjugation)	Unconjugated
修饰(Modification)	Unmodified
同种型(Isotype)	IgG
克隆(Clonality)	Polyclonal
剂型(Form)	Liquid
保存条件(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 (Purification)	Affinity purification

产品应用(Application)

稀释比(Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:300
分子量(Molecular Weight)	135kDa

抗原信息(Antigen Information)

基因名(Gene Name)	SHANK2
别名(Alternative Names)	SHANK2; CORTBP1; KIAA1022; SH3 and multiple ankyrin repeat domains protein 2; Shank2; Cortactin-binding protein 1; CortBP1; Proline-rich synapse-associated protein 1
基因 ID(Gene ID)	22941.0
SwissProt ID	Q9UPX8
免疫原(Immunogen)	The antiserum was produced against synthesized peptide derived from human SHANK2. AA range:331-380

研究背景 (Background)

This gene encodes a protein that is a member of the Shank family of synaptic proteins that may function as molecular scaffolds

in the postsynaptic density of excitatory synapses. Shank proteins contain multiple domains for protein-protein interaction, including ankyrin repeats, and an SH3 domain. This particular family member contains a PDZ domain, a consensus sequence for cortactin SH3 domain-binding peptides and a sterile alpha motif. The alternative splicing demonstrated in Shank genes has been suggested as a mechanism for regulating the molecular structure of Shank and the spectrum of Shank-interacting proteins in the postsynaptic densities of the adult and developing brain. Alterations in the encoded protein may be associated with susceptibility to autism spectrum disorder. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014], alternative products: Additional isoforms seem to exist, domain: The PDZ domain is required for interaction with GRID2, PLCB3, CFTR and SLC9A3, function: Seems to be an adapter protein in the postsynaptic density (PSD) of excitatory synapses that interconnects receptors of the postsynaptic membrane including NMDA-type and metabotropic glutamate receptors, and the actin-based cytoskeleton. May play a role in the structural and functional organization of the dendritic spine and synaptic junction, similarity: Belongs to the SHANK family, similarity: Contains 1 PDZ (DHR) domain, similarity: Contains 1 SAM (sterile alpha motif) domain, subcellular location: Cytoplasm, postsynaptic density of neuronal cells, subunit: Interacts with CCTN/cortactin SH3 domain, DLGAP1/GKAP and alpha-latrotoxin receptor 1. Is part of a complex with DLG4/PSD-95 and DLGAP1/GKAP. Interacts with GRID2, SLC9A3, CFTR and PLCB3. Interacts with DBNL (By similarity). Interacts with DNM2. Interacts with BAIAP2, tissue specificity: Isoform E is present in epithelial colonic cells (at protein level),

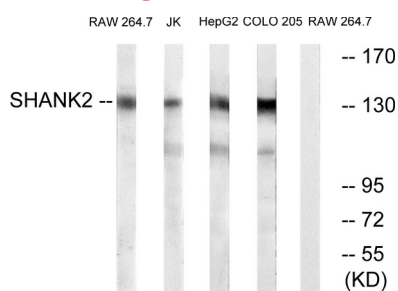
研究领域 (Research Area)

Neuroscience; Neurotransmission; Intracellular Signaling; Adapters

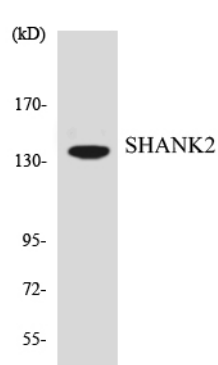
注意事项 (Note)

For research use only.

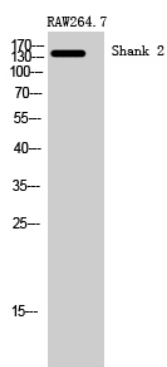
图片 (Image Data)



Western blot analysis of lysates from RAW264.7, Jurkat, HepG2, and COLO cells, using SHANK2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using SHANK2 antibody.



Western Blot analysis of RAW264.7 cells using Shank 2 Polyclonal Antibody

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产品类别	产品货号	产品名称
WB 解决方案	RA10020	2h 极速 WB 即用型全流程试剂盒
	RA10021	4h 快速 WB 即用型全流程试剂盒
	RA10042	5h 畅享版 WB 全流程试剂盒
	RA10037	校准级彩色预染蛋白 Marker (8-180kDa)
	RA10038	校准级彩色预染蛋白 Marker (10-250kDa)
	RA10039	校准级高分子彩色预染蛋白 Marker (25-400kDa)
TSA 多重荧光染色试剂盒	RA10008	TSA 双标三色多重荧光染色试剂盒 (mIHC)
	RA10009	TSA 三标四色多重荧光染色试剂盒 (mIHC)
	RA10010	TSA 四标五色多重荧光染色试剂盒 (mIHC)
	RA10011	TSA 五标六色多重荧光染色试剂盒 (mIHC)
	RA10012	TSA 六标七色多重荧光染色试剂盒 (mIHC)
IHC 检测试剂盒	RA10006	HRP Anti-Mouse/Rabbit IHC Detection System
	RA10007	Polymer-HRP Anti-Mouse/Rabbit IHC Detection System
抗体标记试剂盒	RE80004p	辣根过氧化物酶(HRP)抗体标记试剂盒
	RE80002q	Sulfo-NHS-生物素标记试剂盒
	RE80007p	Cy3 荧光素标记试剂盒
	RE80011p	Fluor488 荧光素标记试剂盒
	RE80017p	Fluor750 荧光素标记试剂盒
	RE80005p	藻红蛋白(R-PE) 抗体快速标记试剂盒
	RE80040	PE-Cy7 串联染料抗体快速标记试剂盒
稳转细胞系构建服务 (免费赠送全膜 WB 验证)	TS-0001	过表达稳转细胞系构建
	TS-0002	敲低稳转细胞系构建
	TS-0003	敲除细胞系构建

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