bs-12143R

[Primary Antibody]

SHANK3 Rabbit pAb



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- DATASHEFT		400-301-3800
Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500) IF (1:100-500)
GenelD: 85358	SWISS: Q9BYB0	
Target: SHANK3		Reactivity: Rat (predicted: Human, Mouse, Pig, Cow, Dog,
Immunogen: KLH conjugated synthetic peptide derived from human SHANK3: 1151-1250/1741.		Horse)
Purification: affinity purified by Protein A		Predicted 186 kDa
Concentration: 1mg/ml		MW.: 100 KDa
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		Subcellular Location: ^{Cell} membrane ,Cytoplasm
Background: SH3 and multiple a Shank/ProSAP fam density (PSD). The the postsynaptic pl anchors and cluste presynaptic neurot PDZ modular doma ion channels, recep molecules. The PDD via the recognition terminus of their ta to spines to regulat NMDA receptor and Transcript splice va spectrum of Shank developing brain to	nkyrin repeat domains 1-3 (Shank1-3) of the ily are molecular scaffolds in the postsynap PSD is an electron-dense structure underner asma membrane of excitatory synapses tha rs glutamate receptors opposite to the ransmitter release site. Shank proteins cont sins that coordinate the synaptic localization otors, signaling enzymes, and cell adhesion Z domain mediates protein-protein interaction of a conserved sequence motif at the C- rget protein(s). Shank recruits betaPIX and I e postsynaptic structure and interacts with I metabotropic glutamate receptor complex iritation in the Shank family influences the -interacting proteins in the PSDs of adult an o ensure normal development.	tic ath ain n of ONS PAK es. d

— VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SHANK3) Polyclonal Antibody, Unconjugated (bs-12143R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-SHANK3 Polyclonal Antibody, Unconjugated(bs-12143R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

- SELECTED CITATIONS -

• [IF=11.8] Mingdan You. et al. Exposure to Nonylphenol in Early Life Causes Behavioural Deficits Related with Autism Spectrum Disorders in Rats. ENVIRON INT. 2023 Sep;:108228 IF ;Rat. 37802007

- [IF=3.052] Burcu Acikgoz. et al. Gender differences in effects of prenatal and postnatal exposure to electromagnetic field and prenatal zinc on behaviour and synaptic proteins in rats. J Chem Neuroanat. 2022 Jul;122:102092 IHC ;Rat. 35364275
- [IF=2.948] Nevin Ersoy. et al. The Effects of Prenatal and Postnatal Exposure to 50-Hz and 3 mT Electromagnetic Field on Rat Testicular Development. MED LITH. 2023 Jan;59(1):71 IHC ;Rat. 36676695