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Rabbit Anti-CRIPT antibody

SL11021R

Product Name:	CRIPT
Chinese Name:	突触后蛋白CRIPT抗体
Alias:	CRIPT; CRIPT_HUMAN; Cysteine rich interactor of PDZ3; Cysteine rich PDZ binding protein; Cysteine-rich interactor of PDZ three; Cysteine-rich interactor of PDZ3; Cysteine-rich PDZ-binding protein; HSPC139; HSPC139 protein; Hypothetical protein CRIPT; Postsynaptic protein CRIPT.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	11kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CRIPT:21-80/101
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The PSD-95/SAP 90 family of proteins, which are known to bind to and cluster various membrane proteins, are involved in the organization of synaptic structure. These proteins are physically and functionally linked to cytoskeletal and/or signaling proteins. CRIPT (for cysteine-rich interactor of PDZ three), a novel postsynaptic protein, binds

	specifically to the PDZ3 domain of PSD-95/SAP 90. CRIPT induces the recruitment of PSD-95/SAP 90 to microtubules, and it has been shown to bind directly to microtubules, indicating that it may be responsible for cytoskeletal anchoring of PSD-95/SAP 90. CRIPT is widely expressed outside of the brain and is highly conserved from animals to plants suggesting a wider role in regulating cytoskeleton-membrane associations. **Function:** Involved in the cytoskeletal anchoring of DLG4 in excitatory synapses. **Subunit:** Interacts with TUBB1. Interacts strongly with the PDZ3 domain of members of the DLG4 family. Associates with microtubules (By similarity). Interacts with DLG4. **Subcellular Location:** Cytoplasm. Cell junction; synapse. Cell projection; dendritic spine. Colocalizes with DLG4 in asymmetric synapses. **Similarity:** Belongs to the CRIPT family. **SWISS:** Q9P021 **Gene ID:** 9419 **Database links:** UniProtKB/Swiss-Prot: Q9P021.1 **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.