SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CR16 antibody

Catalog Number: SL14041R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CR16
Immunogen:	KLH conjugated synthetic peptide derived from human CR16: 51-150/483
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Dog,Horse)
Predicted MW.:	49kDa
Subcellular Location:	cytoplasmic
Background:	CR16 is a 483 amino acid proline-rich cytoplasmic protein that is thought to regulate cytoskeletal organization. A member of both the verprolin and Wiskott-Aldrich syndrome protein (WASP)-interacting protein (WIP) families, CR16 colocalizes with N-WASP (Neuronal Wiskott-Aldrich syndrome protein) in tips of growth cone filopodia, primary hippocampal neurons and Sertoli cell-spermatid junctions. CR16 and N-WASP functionally interact to influence spermatogenesis. CR16 is predominantly expressed in brain and testis, contains one WH2 domain, a KLKR motif, three profilin-binding motifs and is encoded by a gene that maps to human chromosome 7p15.1. **Function:** May be a regulator of cytoskeletal organization. May have a role in spermatogenesis. **Subcellular Location:** Cytoplasm. In hippocampal neurons colocalizes with WASL in the cell body, axons and the growth cone. **Similarity:** Belongs to the verprolin family. Contains 1 WH2 domain.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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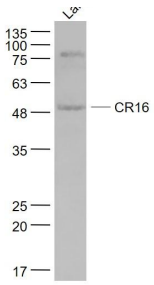
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	Database links: **Entrez Gene:** 644150 Human **SwissProt:** A6NGB9 Human **Unigene:** 709280 Human

[VALIDATION IMAGES]



Sample:
Large intestine (Mouse) Lysate at 40 ug
Primary: Anti- CR16 (SL14041R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 49kD
Observed band size: 49 kD

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